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July 31, 2015

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RECEIVED

AUG 03 2015

DEPARTMENT OF
WATER RESOURCES

VIA EMAIL AND U.S. MAIL

Michele Edl
Idaho Department of Water Resources
322 East Front Street
P.O. Box 83720
Boise, ID 83720-0098

Re: Permit 63-33329 (Arena Drop Hydroelectric Facility)

Dear Ms. Edl:

The Boise Project Board of Control has received a Notice of Intent to void the Permit for this hydroelectric facility, dated July 14, 2015. As noted in my email of July 13, 2015, we believe it is regrettable that the Department has chosen to take this precipitous action. We have been gathering the data requested during your site visits and it has taken some time to pull the information together. The project has had to obtain historic flow data on relevant dates from its records, obtain generation, bypass flow, and wicket gate opening data from Riverside and efficiency curves from the turbine manufacturer. The project went online in the fall of 2010 and proof of beneficial use was submitted in May of 2013. No action has been taken for over two years by the Department on the proof. Yet, the permittee is expected to jump within a matter of weeks in response to this demand for additional information or lose the permit entirely. This is not a very fair way to treat permittees in general. The Boise Project objects to the issuance of the Notice of Intent by the Department.

We know that power was actually being generated by the facility during your on-site visit and was confirmed by the FERC inspection as well. As the proof states, Arena was generating at full capacity as noted in the beneficial use field report on that day. See also Idaho Power's acknowledgment that the facility was operational and generating electricity in 2010. Exhibit A. You have asked to see generation records to confirm actual generation levels. Attached as Exhibit B are daily generation reports for the Arena Drop Hydroelectric Facility for the years 2011 through 2015. These reports show daily and indeed hourly generation for the days when the plant was in operation during that period of time. While the generation records confirm that

generation occurred on each of the days referenced, the amount of kWhs generated is not an element of the permit or water right and should not be considered as an element of the license.

You also asked for efficiency curves for the Arena turbine because you had no proof of the turbine's capacity. Attached as Exhibit C are the turbine efficiency curves for the Arena Drop Hydroelectric Facility provided by the turbine manufacturer, CHEC.

Riverside, the operator, and the Boise Project have determined what they believe is a better and more accurate way to calculate the maximum flow put to beneficial use by this facility rather than attempting to back-calculate flows from generation data and efficiency curves. The Project measures the flow at the head of the canal drop. Attached as Exhibit D is a chart measuring the flows at the head of the canal drop for the highest generation days over the period of operation 2011-2014. Exhibit E is a chart showing the bypass flows measured by Riverside on the bypass channel as a percentage of the bypass channel openings. Riverside reviewed that data and determined the six maximum flow days (which occurred in April and May of 2014), when the highest volume of water was measured by the Boise Project at the head of the canal drop when there were no bypass flows around the turbines. Riverside also determined that the wicket gates were set at 100% opening on each of those days. These dates thus represent the maximum turbine flow. See Exhibit F. Those maximum flows ranged from 96 to 104 cfs.

You have asked for annual volume data so that you can recommend a volume limitation on the license. Your email requests do not describe how a volume limitation is necessary to administer this water right. The Boise Project Board of Control objects to inserting any volume limitation in the license for this hydroelectric facility. First of all, no such limits were set forth in the permit. The Department stated that it has a general policy of not adding conditions to a license that were not in the permit. Second, this facility is a non-consumptive, subordinated hydropower plant. It does not have the ability to call for any water to be diverted out of the river and relies entirely on the water already being diverted into the same canals for irrigation purposes. Only when water is diverted into the canals under the irrigation right is the water available for use in this hydroelectric facility. It operates as a run-of-the-river facility.

Idaho Code § 42-217 provides no authorization for a volume limitation on this water right. Idaho Code § 42-1411(2) provides that the director in recommending a right in an adjudication may set "an annual volume of diversion of water for use or storage in acre feet per year as necessary for proper administration of the water right." (Emphasis added.) You cited to IDAPA Rule 37.03.02.035.j as providing that a volume limit is not necessary for an on-stream non-consumptive hydropower right, but state that this provision does not apply to this hydropower right even though it is also non-consumptive, subordinated, and cannot call for any water that would not otherwise flow past the plant.

The SRBA Court in the Facility Volume case, *In Re SRBA Case No. 3957 in the District Court of Fifth Judicial District of the State of Idaho in and for the County of Twin Falls* (December 29, 1999), held that an attempt to place a facility volume limitation on a non-consumptive fish processing permit would not be permitted because a volume limitation was not

necessary for the definition of the right or administration of the right. In a subsequent case involving a hydroelectric facility, *In the Matter of Licensing Water Right Permit No. 01-7011, in the Name of Twin Falls Canal Company and North Side Canal Company* (July 30, 2010), the hearing officer rejected an attempt to require a volume limit on a hydroelectric facility at Milner Dam. The hearing officer, retired Supreme Court Justice Gerald Schroeder, held "Nothing in the statute requires both a diversion rate and an annual volume rate for a non-consumptive hydropower right that has been subordinated." *Findings of Fact, Conclusions of Law, and Recommendations*, p. 9. The Hearing Officer went on to conclude that an annual volume which differs from the total maximum diversion rate makes administrative of the right more complex and would result in wasting of water that otherwise could have been used to generate power to the detriment of the holder of the water right and to power users in the public as a whole. *Id.*

The same rationale applies here. There is no reason for a volume limitation on the Arena Hydropower right. Placing an annual volume limitation could require the districts and the Board of Control to spill or bypass water that could otherwise be put to use generating electricity for the benefit of the district landowners and the electrical consuming public as a whole just because an arbitrary volume limit had been reached. No other water user would benefit from or be protected by a volume limit. As Justice Schroeder has found in the *Milner* case, there is simply no basis for proper administration of a non-consumptive hydropower right like this one by inserting a volume limitation in the license.

As a practical matter, determining the total volume use for actual generation cannot be done with any precision. The measurements at the head of the canal drop are taken periodically, daily or twice daily, and are not taken on a continuous basis. Flows in the canal vary from day to day and even within the day, depending on irrigation demand and other canal operational issues. Canals start and stop operation from year to year on different dates depending on total water available under the irrigation rights. This hydropower right has no influence on the water diverted from the Boise River as this hydropower right is completely dependent upon the water available for irrigation. Because these hydropower facilities are not located on the main canal it is not possible to simply calculate the amount of water that is turned into the head of the New York Canal on an annual basis because that amount of water does not reach to the locations of these hydroelectric facilities.

Moreover, there is no storage associated with this facility. The Arena Drop Hydroelectric Facility does not back up water and store it for later generation. It simply uses the flow as it goes through the canal.

For these reasons, the Boise Project Board of Control objects to any volume limitation imposed on the right through the license. Idaho Code § 42-217 and Idaho Code § 42-1411(2) do not authorize such a volume limitation because it is not necessary for the administration of right and would make the right far more complicated to administer at all. In addition, this hydroelectric facility is a run-of-the-river type of facility, has no storage, and is entirely non-consumptive and so falls within the spirit and the letter of IDAPA 37.03.02.035.j.v.

Michele Edl
Idaho Department of Water Resources
July 31, 2015
Page 4

We believe this data satisfies the Department's legitimate request for proof of beneficial use. There is no doubt that this project has used the existing canal water every year to generate electricity. We request the license to be issued on the same terms and conditions of the permit. We acknowledge that this data demonstrates the need for a second permit and license for additional flows over 80 cfs and will work with the Department to see that it has the proper paperwork for that second right.

Very truly yours,

BARKER ROSHOLT & SIMPSON LLP

A handwritten signature in dark ink, appearing to read 'Albert P. Barker', is written over the printed name.

Albert P. Barker

APB/se
Enclosures

cc: T. Page (via email w/attachments)
D. Daugherty (via email w/o attachments)
S. Keen (via email w/o attachments)

EXHIBIT A

August 12, 2010

Randy C. Allphin
Senior Energy Contracts Coordinator

Mr. Dennis Daugherty
Riverside Investments, LLC.
P.O. Box 154
Adrian, OR 97901

Original: U.S. Mail

E-mail Copy: dennis@rsicorp.net

Re: Arena Drop – Project # 21615205 – Firm Energy Sales Agreement Operation Date

Mr. Daugherty,

This notice is provided as specified in paragraph 5.2 of the Firm Energy Sales Agreement between Riverside Investments, LLC, and Idaho Power Company for the Arena Drop Project ("Agreement").

On August 9, 2010, Idaho Power received an e-mail from the project requesting an Operation Date of September 1, 2010.

As specified in paragraph 1.23 of the Agreement;

"Operation Date – The day commencing at 0001 hours, Mountain Time, following the day that all requirements of paragraph 5.2 have been completed."

Idaho Power has reviewed the requirements of paragraph 5.2 and the information provided by the project and agrees that the project has completed all of the requirements to be granted an Operation Date as requested.

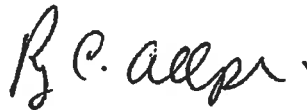
Therefore the Operation Date for this project shall be considered to be 00:01 hour of September 1, 2010.

Please review the complete Agreement, specifically any requirements that go into effect as of the Operation Date. One of which is the ability of the project to provide monthly kWh generation estimates at periodic intervals throughout the term of this Agreement.

To establish payment information (payee, payee address, electronic payment, etc.), please contact Carlene Snyder, (208-388-2265, csnyder@idahopower.com), and she can assist you in determining the necessary information required for establishing either electronic or manual payments. If you have any questions specifically in regards to the ongoing payment calculation, please contact Kelly Ready (208-388-2607, kready@idahopower.com).

If there are any other questions that you have, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "R. C. Allphin".

Randy C Allphin
Idaho Power Company

RCA/cs

EXHIBIT B

**ARENA GENERATION
2015**

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

April 2015

Energy produced by the project:

Gross Energy	182,518 Kwh
Usage - Current Month	3,834 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	178,684 Kwh

Total Delivered Energy Less Inadvertent 178,684 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 120,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	178,684 Kwh
110 % Projects estimated energy deliveries	132,000 Kwh
Current Month Net Energy that is more than 110%	46,684 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	108,000 Kwh
Total Delivered Energy Less Inadvertent	178,684 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 46,684 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	76,530 Kwh
Total Light Load Energy	55,470 Kwh
Total Surplus Energy	46,684 Kwh
Total Delivered Energy Less Inadvertent	178,684 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Apr-15

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
4/1/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
4/2/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-34	-16	-8
4/3/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-37	-27	-10
4/4/2015	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/5/2015	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-48
4/6/2015	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	-2	17	-2	-2	284	316	303	297	298	303	316	323	326	334	3,077	2,427	650
4/7/2015	340	348	360	370	378	387	393	397	397	397	397	399	399	399	399	399	399	399	399	399	399	399	399	399	7,045	4,415	2,630
4/8/2015	225	228	236	245	255	268	275	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	9,733	3,791	1,942
4/9/2015	244	248	251	254	258	264	267	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	8,354	4,305	2,049
4/10/2015	265	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	268	8,209	4,119	2,000
4/11/2015	248	248	251	248	250	247	249	244	240	244	241	241	241	241	241	241	241	241	241	241	241	241	241	241	7,175	4,941	2,234
4/12/2015	387	388	389	372	377	379	377	377	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	9,305	0	9,305
4/13/2015	407	407	407	407	405	404	403	403	399	393	385	380	384	341	331	289	279	286	286	288	288	291	289	291	8,401	5,384	3,017
4/14/2015	281	284	296	299	299	312	309	312	301	281	262	239	225	222	228	208	188	208	211	211	234	256	281	289	8,226	3,904	2,321
4/15/2015	270	274	281	288	280	281	293	296	292	290	292	308	307	300	296	300	301	305	310	312	316	321	326	328	7,189	4,841	2,348
4/16/2015	325	325	324	328	332	330	332	333	329	310	291	276	266	254	252	238	231	227	228	232	236	238	238	237	6,712	4,273	2,439
4/17/2015	337	338	333	328	327	325	323	327	327	327	327	302	313	328	342	347	350	346	347	348	346	342	338	340	7,008	4,543	2,066
4/18/2015	343	341	339	340	340	336	327	317	284	274	258	251	250	257	256	256	257	258	258	258	261	263	260	263	6,843	4,281	2,562
4/19/2015	384	383	381	380	388	383	385	387	373	377	384	382	388	301	286	284	287	287	301	310	311	314	315	312	6,884	0	6,884
4/20/2015	316	313	313	315	315	317	315	341	306	308	382	372	361	353	347	337	334	335	340	342	342	344	343	346	8,198	5,820	2,578
4/21/2015	342	344	343	343	345	347	351	354	361	364	349	344	341	341	338	334	332	321	320	323	322	326	326	325	8,136	5,421	2,716
4/22/2015	330	331	329	328	329	331	335	350	355	353	332	321	314	305	284	264	265	317	334	338	336	335	333	329	7,808	5,168	2,640
4/23/2015	331	334	328	329	326	323	323	316	318	328	334	335	342	342	279	3	288	384	376	368	369	359	358	353	7,451	4,769	2,882
4/24/2015	353	358	356	357	363	367	371	384	387	382	371	380	358	357	353	356	356	356	382	368	372	370	372	374	8,759	5,861	2,898
4/25/2015	370	366	364	361	360	356	360	362	369	378	371	367	342	328	317	310	302	296	291	298	288	303	302	308	8,067	5,278	2,769
4/26/2015	310	311	308	312	309	310	311	309	314	274	171	228	288	288	288	300	305	305	309	304	306	301	301	296	7,058	0	7,058
4/27/2015	265	265	282	283	280	284	300	308	318	334	339	341	338	345	360	387	380	381	377	370	370	368	367	367	8,048	5,595	2,453
4/28/2015	367	370	370	368	368	365	365	358	312	318	323	349	351	351	350	362	351	347	342	335	330	331	331	332	8,332	5,463	2,869
4/29/2015	329	338	342	347	354	362	364	378	376	383	115	274	343	348	348	348	348	345	344	340	337	338	332	331	8,037	5,304	2,733
4/30/2015	329	330	338	339	345	362	359	356	336	333	341	351	360	369	370	362	381	358	356	357	357	359	360	361	8,436	5,684	2,762
																									182,307	106,696	76,611

Hourly Generation Exceeding Plant Capacity of 450

0

Generation
Usage
Net

182,518
211
182,307

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

May 2015

Energy produced by the project:

Gross Energy	210,018 Kwh
Usage - Current Month	0 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	210,018 Kwh

Total Delivered Energy Less Inadvertent	210,018 Kwh
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Surplus Energy Calculation

Projects estimated energy deliveries	220,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	210,018 Kwh
110 % Projects estimated energy deliveries	242,000 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	198,000 Kwh
Total Delivered Energy Less Inadvertent	210,018 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy	0 Kwh
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Net Energy Less Inadvertent Energy

Total Heavy Load Energy	117,822 Kwh
Total Light Load Energy	92,196 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	210,018 Kwh

Arena Drop
Project Number 21615205
Header # 1124

May-15

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
5/1/2015	362	384	387	373	374	373	373	372	370	363	348	339	335	328	328	330	331	335	338	338	338	335	337	333	8,384	5,801	2,683
5/2/2015	333	334	336	337	335	336	338	367	365	376	379	378	373	368	363	369	355	354	347	347	348	343	344	344	8,447	5,748	2,698
5/3/2015	346	342	343	343	339	341	343	347	347	349	351	353	352	351	348	343	335	333	331	329	330	332	328	330	8,187	0	8,187
5/4/2015	331	330	329	328	331	335	338	343	362	366	368	377	362	361	345	366	375	370	360	353	362	343	341	338	8,438	5,772	2,664
5/5/2015	337	335	336	337	338	338	339	341	348	363	362	381	372	362	364	347	343	344	339	343	348	354	358	361	8,398	5,861	2,737
5/6/2015	360	359	368	364	366	374	378	383	392	399	401	403	403	403	403	403	404	403	403	401	404	404	405	405	8,384	6,385	2,989
5/7/2015	406	407	408	408	408	408	408	407	407	407	411	410	409	409	408	414	415	418	417	417	417	417	417	416	9,888	6,587	3,271
5/8/2015	418	413	413	413	411	408	408	407	407	403	365	338	317	312	314	293	310	322	325	326	322	316	313	311	8,586	5,467	3,099
5/9/2015	305	301	298	297	297	295	291	248	248	235	233	236	238	208	194	220	224	227	228	226	230	241	248	255	6,024	3,728	2,299
5/10/2015	268	261	261	261	263	263	265	268	270	279	281	282	281	278	276	275	268	263	261	259	268	255	255	257	6,397	0	6,397
5/11/2015	267	256	258	261	260	264	270	272	285	289	273	262	238	239	234	232	232	226	214	209	210	212	214	219	8,877	3,888	1,989
5/12/2015	225	232	235	239	240	242	246	249	268	288	307	321	325	328	328	325	326	321	318	312	318	317	316	321	8,938	4,888	2,050
5/13/2015	330	335	331	324	318	312	310	289	301	301	284	284	279	279	281	291	301	307	312	310	304	294	287	280	7,264	4,747	2,817
5/14/2015	278	277	282	284	286	284	284	282	265	244	225	211	208	211	208	211	214	218	218	218	218	217	225	245	5,807	3,646	2,161
5/15/2015	265	283	293	297	288	303	308	308	310	316	326	328	332	332	335	373	352	341	336	334	330	325	323	320	7,668	5,286	2,382
5/16/2015	318	312	301	280	280	272	281	262	251	229	207	191	184	183	182	184	180	182	182	184	190	202	214	218	5,469	3,254	2,205
5/17/2015	222	223	224	224	225	225	228	221	223	222	223	225	225	224	223	219	220	219	220	219	214	214	214	217	6,311	0	6,311
5/18/2015	218	220	221	222	222	224	224	215	230	246	253	260	268	274	270	268	262	258	258	257	269	280	283	285	6,918	4,082	1,866
5/19/2015	262	267	271	276	281	283	288	292	311	321	322	322	326	327	328	331	330	329	336	339	340	337	335	331	7,486	5,179	2,308
5/20/2015	334	330	333	335	337	341	343	360	358	342	329	321	315	313	311	308	301	287	283	280	284	250	242	238	7,489	4,861	2,488
5/21/2015	231	228	228	228	229	228	233	188	200	212	221	229	235	238	234	230	221	211	205	202	201	201	203	202	5,236	3,469	1,777
5/22/2015	203	205	207	210	215	218	222	216	206	198	201	200	203	204	208	214	215	208	201	193	187	183	180	179	4,878	3,281	1,817
5/23/2015	179	177	176	174	172	171	168	158	138	138	144	145	143	142	141	139	138	132	131	130	128	129	128	124	3,541	2,240	1,301
5/24/2015	123	128	125	129	131	132	130	130	131	131	133	135	135	139	141	141	140	140	137	134	133	132	133	133	3,194	0	3,194
5/25/2015	135	135	136	138	140	142	143	146	158	197	264	268	239	243	245	245	243	248	241	235	239	240	247	248	4,916	0	4,916
5/26/2015	264	258	265	274	282	282	288	310	342	405	414	418	417	424	426	426	419	427	424	420	411	403	398	388	8,801	6,382	2,419
5/27/2015	386	395	385	398	399	401	402	401	389	360	236	240	241	238	234	230	224	222	225	233	234	234	233	235	7,188	4,346	2,852
5/28/2015	234	233	232	232	231	234	237	235	228	257	291	315	324	327	324	319	317	312	301	294	284	281	283	279	6,095	4,647	1,958
5/29/2015	283	278	280	279	277	279	277	282	304	311	306	301	293	290	288	281	275	271	269	269	284	288	262	264	6,750	4,547	2,283
5/30/2015	257	258	257	267	268	261	258	258	240	246	253	267	266	268	268	266	265	265	263	267	281	255	204	0	5,813	4,163	1,750
5/31/2015	0	0	0	25	273	270	264	265	260	271	272	269	268	268	260	304	299	281	271	266	263	261	259	261	5,709	0	5,709
	Total																								210,018	117,822	92,196

Generation	210,018
Usage	0
Net	210,018

Hourly Generation Exceeding Plant Capacity of 450	0
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Arena Drop
Project Number 21615205
Header # 1124

Mar-15

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
3/1/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
3/2/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/3/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/4/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/5/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/6/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/7/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/8/2015	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-23	0	-23
3/9/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/10/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/11/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/12/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/13/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/14/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/15/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
3/16/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/17/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/18/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/19/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/20/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/21/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
3/22/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/23/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/24/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/25/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/26/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/27/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/28/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/29/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
3/30/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
3/31/2015	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
Total																									-743	-416	-327

Generation	0
Usage	743
Net	-743

Hourly Generation Exceeding Plant Capacity of 450	0
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**ARENA GENERATION
2014**

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

April 2014

Energy produced by the project:

Gross Energy	152,276 Kwh
Usage - Current Month	370 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	151,906 Kwh

Total Delivered Energy Less Inadvertent 151,906 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 120,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	151,906 Kwh
110 % Projects estimated energy deliveries	132,000 Kwh
Current Month Net Energy that is more than 110%	19,974 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	108,000 Kwh
Total Delivered Energy Less Inadvertent	151,906 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 19,974 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	73,524 Kwh
Total Light Load Energy	58,408 Kwh
Total Surplus Energy	19,974 Kwh
Total Delivered Energy Less Inadvertent	151,906 Kwh

Apr-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	H/L	L/L	
4/1/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-18	-8	
4/2/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-18	-8	
4/3/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/4/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/5/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/6/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24	
4/6/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/7/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/8/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/9/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/10/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/11/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
4/12/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1,034	816	418	
4/13/2014	226	235	237	242	243	250	248	249	247	309	290	287	248	242	245	242	243	249	250	254	259	264	264	265	217	1,034	816	418
4/14/2014	284	286	285	286	286	286	286	237	208	192	175	162	142	129	119	109	107	110	115	118	109	108	114	119	4,234	2,408	1,826	
4/15/2014	125	132	149	168	207	238	251	260	229	175	127	101	108	109	108	109	111	116	114	117	118	123	130	135	3,583	2,289	1,284	
4/16/2014	141	153	175	210	243	268	287	301	297	283	303	360	345	334	329	338	310	308	305	301	302	292	305	313	7,218	6,031	1,761	
4/17/2014	281	284	286	289	292	291	290	286	272	278	294	320	337	338	329	319	310	385	385	383	385	384	384	384	8,487	4,877	2,341	
4/18/2014	314	318	317	318	317	320	321	322	323	331	346	380	370	375	378	383	385	384	441	442	445	445	434	436	10,125	6,919	3,206	
4/19/2014	384	385	385	381	383	396	397	423	442	446	447	447	446	442	440	440	438	437	438	439	439	440	438	440	10,607	0	10,607	
4/20/2014	437	438	442	442	442	442	442	440	446	448	448	447	447	446	464	464	464	464	464	464	464	464	464	464	10,648	7,038	3,612	
4/21/2014	443	448	450	451	449	445	254	293	293	461	461	463	464	464	464	464	464	463	461	465	480	482	462	461	10,941	7,258	3,683	
4/22/2014	464	463	464	464	462	453	452	451	423	427	441	451	458	462	464	464	464	461	461	461	460	460	460	463	11,042	7,371	3,671	
4/23/2014	461	461	461	461	455	459	459	459	461	462	461	461	461	461	461	461	461	461	461	460	460	459	458	459	10,945	7,313	3,632	
4/24/2014	466	456	456	450	449	447	449	464	464	450	451	454	467	468	469	460	461	461	461	460	440	439	438	436	10,690	7,086	3,601	
4/25/2014	469	459	469	453	460	447	444	448	463	450	448	444	444	440	438	442	442	442	441	440	440	315	315	311	8,282	5,213	3,049	
4/26/2014	434	429	415	400	382	365	368	311	337	341	341	315	328	327	325	324	320	320	319	319	317	312	317	317	7,415	0	7,415	
4/27/2014	310	307	307	304	302	300	298	298	298	300	305	307	308	310	313	317	319	319	315	316	314	312	317	372	8,364	5,708	2,646	
4/28/2014	317	317	318	317	317	316	316	324	329	335	343	355	363	368	372	372	371	371	370	373	372	373	372	349	8,378	3,408	2,872	
4/29/2014	373	374	376	381	383	387	390	391	69	-2	-2	-2	-2	-2	75	384	353	351	351	350	351	351	349	418	8,434	6,494	2,940	
4/30/2014	347	347	348	352	353	355	357	361	374	392	404	414	419	421	420	420	418	418	418	420	419	419	419	418	8,434	6,494	2,940	
																								Total	151,974	84,693	67,281	

Generation	152,276
Usage	302
Net	<u>151,974</u>

Hourly Generation Exceeding Plant Capacity of 450 0

5/1/2014 3:40:14 PM

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

May 2014

Energy produced by the project:

Gross Energy	307,386 Kwh
Usage - Current Month	13 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	307,373 Kwh

Total Delivered Energy Less Inadvertent 307,373 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 220,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	307,373 Kwh
110 % Projects estimated energy deliveries	242,000 Kwh
Current Month Net Energy that is more than 110%	65,373 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	198,000 Kwh
Total Delivered Energy Less Inadvertent	307,373 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 65,373 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	135,108 Kwh
Total Light Load Energy	106,892 Kwh
Total Surplus Energy	65,373 Kwh
Total Delivered Energy Less Inadvertent	307,373 Kwh

Arena Drop
Project Number 21615205
Header # 1124

May-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
5/1/2014	418	420	422	425	428	432	433	433	437	430	424	422	421	421	418	413	408	404	403	402	402	403	404	404	10,027	6,874	3,353
5/2/2014	407	411	421	431	437	441	444	441	433	444	449	448	443	443	442	442	444	447	450	452	454	454	453	453	10,584	7,130	3,454
5/3/2014	453	452	451	450	450	450	461	447	441	438	445	440	433	428	423	421	415	413	409	403	400	396	395	394	10,294	6,799	3,495
5/4/2014	395	397	397	398	399	400	402	403	404	373	373	384	388	388	387	386	388	387	389	390	390	391	394	393	9,396	0	9,398
5/5/2014	394	396	396	397	395	398	398	400	401	416	430	437	442	439	443	437	438	435	111	396	442	440	449	449	9,778	6,505	3,274
5/6/2014	331	286	455	454	454	455	454	458	458	458	445	143	397	445	444	443	445	444	446	447	449	449	460	450	10,130	6,816	3,315
5/7/2014	450	450	450	449	450	449	448	448	445	445	445	444	442	442	443	443	442	442	442	441	439	440	440	440	10,667	7,089	3,578
5/8/2014	440	439	438	438	437	436	435	435	435	434	435	435	436	438	438	438	437	441	441	440	441	440	440	441	10,508	6,999	3,509
5/9/2014	441	440	441	442	443	442	442	443	443	441	438	177	408	465	465	462	462	461	461	461	461	460	460	459	10,516	6,948	3,588
5/10/2014	459	458	458	458	457	457	457	458	458	458	453	452	452	453	453	454	454	454	454	453	454	454	454	458	10,919	7,262	3,657
5/11/2014	456	458	455	456	456	456	456	458	458	458	455	455	455	455	456	446	457	480	480	458	459	480	480	459	10,956	0	10,956
5/12/2014	459	458	458	458	457	457	458	457	455	457	459	459	458	458	458	459	458	458	458	458	459	459	459	459	10,980	7,326	3,664
5/13/2014	458	458	458	458	458	458	458	458	458	458	447	436	427	423	419	418	417	414	411	408	407	405	405	406	10,405	6,846	3,559
5/14/2014	407	410	412	417	419	423	425	427	428	413	408	401	398	394	390	389	386	383	380	377	375	375	376	377	9,585	6,345	3,240
5/15/2014	378	384	394	402	409	416	420	418	394	420	432	441	444	443	441	458	454	452	451	448	450	451	451	451	10,303	7,018	3,285
5/16/2014	453	454	456	457	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	10,606	7,196	3,410
5/17/2014	459	458	457	455	454	453	450	447	452	442	442	436	425	418	414	410	410	411	412	414	415	418	417	417	10,384	6,814	3,570
5/18/2014	411	408	408	407	408	407	408	409	408	410	410	410	410	412	416	417	417	418	417	418	419	419	418	418	9,805	0	9,805
5/19/2014	420	421	421	422	422	423	422	422	420	419	418	417	415	413	409	405	400	397	399	401	404	404	405	405	9,804	0,665	3,339
5/20/2014	407	408	408	408	409	408	407	390	387	396	392	392	383	376	371	368	334	341	345	348	349	354	357	357	9,049	0,887	3,162
5/21/2014	357	358	360	358	356	354	356	371	388	392	392	392	395	397	397	387	396	399	398	397	395	397	398	387	9,197	6,289	2,938
5/22/2014	398	394	384	377	375	374	375	375	374	378	376	371	381	353	350	366	363	382	382	382	364	362	362	362	8,862	5,836	3,028
5/23/2014	383	365	387	369	371	374	375	375	381	392	396	408	414	415	416	413	414	414	418	418	413	409	407	414	9,493	6,465	3,030
5/24/2014	415	415	414	413	410	406	405	403	399	400	401	402	400	401	401	400	398	398	397	395	393	393	393	394	9,646	6,386	3,260
5/25/2014	394	395	385	396	396	396	396	396	395	395	396	396	394	393	393	393	394	394	394	394	394	394	393	393	9,469	0	9,469
5/26/2014	393	392	383	383	383	394	394	393	383	393	392	389	387	384	383	359	371	376	376	378	378	374	372	369	9,215	0	9,215
5/27/2014	370	372	371	372	374	373	373	348	331	354	373	381	383	-2	-2	-2	148	409	414	416	418	420	425	425	7,824	4,742	3,082
5/28/2014	425	428	431	435	437	439	440	450	308	440	438	434	431	425	417	418	413	409	408	409	412	414	409	408	10,077	6,965	3,412
5/29/2014	410	412	414	416	419	421	423	423	420	415	409	407	405	406	403	400	401	402	405	408	407	407	408	404	9,843	6,541	3,302
5/30/2014	403	405	408	407	409	410	412	419	420	413	407	401	395	392	383	20	376	382	387	398	390	390	386	384	9,185	5,955	3,210
5/31/2014	381	382	382	383	382	385	386	375	374	385	403	419	424	426	421	416	419	415	416	417	420	423	421	418	9,673	6,538	3,135
Total																									307,373	171,606	135,766

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	307,386
Usage	13
Net	307,373

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

June 2014

Energy produced by the project:

Gross Energy	264,598 Kwh
Usage - Current Month	159 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	264,439 Kwh

Total Delivered Energy Less Inadvertent 264,439 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 250,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	264,439 Kwh
110 % Projects estimated energy deliveries	275,000 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	225,000 Kwh
Total Delivered Energy Less Inadvertent	264,439 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 0 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	146,833 Kwh
Total Light Load Energy	117,606 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	264,439 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Jun-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
6/1/2014	416	413	412	411	409	410	410	411	420	427	427	427	425	422	421	419	420	424	425	425	425	425	425	426	10,077	0	10,077
6/2/2014	432	436	439	441	442	442	443	447	451	452	453	453	439	432	421	415	410	404	400	403	405	408	408	408	10,268	6,936	3,448
6/3/2014	411	415	418	420	421	423	425	430	436	442	443	442	437	434	431	428	425	423	422	422	425	427	428	430	10,258	6,882	3,366
6/4/2014	435	440	444	448	450	451	451	445	434	430	421	411	410	404	402	403	404	408	410	413	418	418	420	419	10,187	6,880	3,507
6/5/2014	420	430	441	450	452	452	451	451	437	447	450	443	442	441	439	440	440	441	441	441	438	437	436	436	10,596	7,079	3,517
6/6/2014	438	440	441	442	443	445	446	445	434	434	438	439	440	440	439	441	445	446	447	445	445	444	444	444	10,803	7,066	3,537
6/7/2014	443	443	442	443	441	442	442	442	441	441	441	441	440	441	441	442	442	442	442	442	442	442	442	442	10,802	7,064	3,538
6/8/2014	443	443	443	443	443	443	443	444	444	444	445	445	445	445	445	445	445	445	444	444	444	444	444	444	10,857	0	10,857
6/9/2014	444	446	446	446	446	446	446	446	447	447	447	446	446	446	446	448	460	460	480	469	459	459	459	458	10,854	6,964	3,650
6/10/2014	458	458	457	458	456	456	455	455	455	455	454	454	453	453	452	453	442	453	453	452	451	449	448	447	10,875	7,239	3,638
6/11/2014	446	448	447	448	448	448	448	448	448	446	446	446	447	447	447	448	448	447	447	447	447	447	447	447	10,734	7,156	3,578
6/12/2014	447	447	447	448	448	448	446	446	446	447	447	447	447	447	447	447	445	447	447	447	447	447	447	447	10,702	7,129	3,573
6/13/2014	448	448	447	448	448	448	448	448	448	445	445	444	443	442	442	441	440	440	440	440	440	440	440	440	10,642	7,079	3,563
6/14/2014	440	440	440	440	439	440	439	439	439	439	439	438	438	438	438	438	436	439	439	439	439	439	439	440	10,536	7,018	3,518
6/15/2014	440	440	441	441	441	440	440	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	10,580	0	10,580
6/16/2014	441	441	441	441	441	441	441	441	442	441	435	395	403	403	392	350	346	365	376	362	360	362	363	364	9,827	6,394	3,433
6/17/2014	398	413	429	441	446	447	447	447	448	447	445	442	438	435	434	437	438	436	437	438	441	442	442	442	10,596	7,948	3,458
6/18/2014	441	441	440	440	439	439	439	440	444	444	444	440	438	432	429	428	401	409	413	415	415	415	416	417	10,319	6,946	3,473
6/19/2014	413	404	393	383	372	368	365	364	376	377	374	371	366	360	350	339	330	323	321	318	315	314	313	312	8,521	5,563	2,888
6/20/2014	311	307	302	295	297	293	291	277	278	290	297	303	306	314	319	322	323	319	313	305	302	300	304	306	7,276	4,869	2,417
6/21/2014	311	317	317	318	318	320	318	311	286	284	293	321	346	364	371	374	375	376	375	378	378	376	376	376	8,129	5,476	2,653
6/22/2014	375	375	376	379	379	378	381	382	387	393	387	380	381	383	385	385	386	387	386	388	387	386	386	386	9,209	0	9,209
6/23/2014	388	380	383	387	388	400	402	422	423	430	426	419	410	400	386	388	392	388	387	388	386	388	388	389	9,596	6,453	3,143
6/24/2014	380	383	386	401	408	411	413	414	412	423	433	438	439	438	437	437	433	429	425	424	424	424	424	423	10,089	6,843	3,246
6/25/2014	424	426	426	428	426	427	427	429	429	427	423	420	418	418	419	420	421	422	422	422	420	360	123	-2	9,373	6,696	2,676
6/26/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
6/27/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-28	-16
6/28/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	-46	-30	-16
6/29/2014	-2	-2	-1	-2	-2	-2	-2	-1	-1	8	226	272	313	330	328	321	312	305	308	308	305	302	304	304	4,228	0	4,228
6/30/2014	311	341	360	407	422	426	427	424	420	398	405	418	419	414	410	407	402	401	400	400	400	397	395	394	9,617	6,542	3,075
																									Total	146,833	117,608

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	264,598
Usage	159
Net	264,439

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

July 2014

Energy produced by the project:

Gross Energy	319,356 Kwh
Usage - Current Month	1 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	319,355 Kwh

Total Delivered Energy Less Inadvertent	319,355 Kwh
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Surplus Energy Calculation

Projects estimated energy deliveries	295,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	319,355 Kwh
110 % Projects estimated energy deliveries	324,500 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	265,500 Kwh
Total Delivered Energy Less Inadvertent	319,355 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy	0 Kwh
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Net Energy Less Inadvertent Energy

Total Heavy Load Energy	178,168 Kwh
Total Light Load Energy	141,187 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	319,355 Kwh

Arena Drop

Project Number 21615205

Header # 1124

Jul-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
7/1/2014	394	395	396	394	393	394	396	386	400	415	425	423	422	421	420	420	422	423	423	422	423	423	425	430	9,888	6,674	3,221
7/2/2014	432	433	433	433	434	434	434	434	434	434	434	433	434	434	434	443	447	446	445	445	445	445	444	444	10,508	7,021	3,487
7/3/2014	444	443	442	441	438	437	438	437	437	437	436	436	436	435	435	435	435	435	436	435	433	434	434	435	10,482	6,888	3,514
7/4/2014	436	435	435	435	435	435	435	435	435	435	435	435	435	435	436	436	436	436	436	436	436	436	436	436	10,450	0	10,450
7/5/2014	437	437	437	437	437	437	437	437	436	436	427	430	428	423	422	423	422	420	419	420	420	418	416	416	10,270	6,816	3,454
7/6/2014	416	417	418	418	419	419	419	385	398	406	409	410	408	407	406	403	405	411	414	415	414	413	411	411	9,860	0	9,860
7/7/2014	413	413	418	418	421	422	424	427	437	438	438	438	438	438	437	437	437	437	437	437	437	437	437	437	10,351	6,374	3,377
7/8/2014	437	437	436	436	437	438	437	436	436	437	437	436	437	437	437	437	436	437	436	437	436	436	436	436	10,478	6,885	3,493
7/9/2014	436	436	436	436	436	436	436	436	436	436	436	436	436	424	401	414	420	423	424	425	425	428	426	426	10,302	6,834	3,468
7/10/2014	425	428	428	427	428	428	430	431	430	425	421	418	417	419	420	421	419	420	421	421	422	422	422	421	10,161	6,757	3,404
7/11/2014	421	420	419	417	417	417	416	382	381	402	402	401	403	407	410	408	414	415	415	415	417	415	414	413	9,882	6,514	3,338
7/12/2014	413	412	410	408	410	411	412	406	410	421	431	435	435	435	435	435	435	435	435	435	435	435	435	435	10,200	6,865	3,336
7/13/2014	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	436	436	436	436	436	436	436	436	10,448	0	10,448
7/14/2014	436	436	437	437	437	437	437	437	437	437	437	437	437	437	437	437	439	442	441	441	441	441	441	441	10,517	7,015	3,602
7/15/2014	441	441	441	441	441	441	441	441	441	440	440	440	440	440	439	440	437	438	438	439	439	438	440	440	10,550	7,024	3,526
7/16/2014	440	440	440	440	440	440	440	438	442	442	442	433	436	434	434	432	433	432	432	433	433	433	433	432	10,470	6,965	3,605
7/17/2014	432	432	432	431	431	432	432	432	437	438	434	433	433	434	435	437	438	439	440	440	441	440	440	440	10,457	6,987	3,470
7/18/2014	440	440	441	441	440	440	440	431	418	421	427	431	434	436	436	436	437	438	438	439	439	439	439	439	10,460	6,940	3,620
7/19/2014	439	438	437	435	433	432	431	433	434	436	437	438	439	439	440	440	440	440	440	439	438	439	439	439	10,496	7,004	3,482
7/20/2014	439	439	440	439	440	440	440	440	440	440	439	439	439	439	440	440	440	440	440	440	440	440	440	438	10,552	0	10,552
7/21/2014	438	436	428	428	420	418	415	403	415	421	421	418	417	416	414	413	412	412	411	412	411	411	410	410	10,009	6,622	3,387
7/22/2014	410	410	411	412	412	412	319	-1	319	465	465	465	465	465	462	463	463	463	463	463	463	462	462	460	10,053	6,864	3,389
7/23/2014	457	457	457	456	451	449	451	451	450	447	447	432	428	427	426	426	427	426	426	426	425	424	425	423	10,517	6,842	3,575
7/24/2014	422	420	418	416	414	416	417	418	423	420	417	412	408	405	404	403	406	408	411	411	414	420	425	431	9,960	6,598	3,382
7/25/2014	434	436	437	439	440	440	441	441	442	442	442	441	441	440	439	440	438	438	438	437	437	436	435	436	10,512	7,030	3,482
7/26/2014	427	425	424	425	423	421	422	435	434	426	425	426	429	433	437	438	437	436	436	437	437	436	435	436	10,346	6,829	3,416
7/27/2014	436	433	432	431	430	427	428	430	435	437	437	437	438	438	438	438	436	436	436	440	436	436	436	436	10,455	0	10,455
7/28/2014	439	437	437	436	436	436	436	433	430	434	436	437	437	437	435	435	435	435	434	435	434	434	434	436	10,462	6,959	3,483
7/29/2014	435	437	437	436	436	434	435	433	433	433	434	420	425	424	428	432	432	431	428	428	426	424	425	423	10,330	6,967	3,483
7/30/2014	424	425	426	428	427	429	430	434	437	437	436	436	433	429	430	431	431	432	431	431	431	432	430	431	10,341	6,921	3,420
7/31/2014	430	429	430	429	429	428	428	425	423	417	408	398	393	392	353	369	379	381	379	382	382	384	383	381	319,355	176,186	3,338
Total																									319,355	176,186	141,167

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	319,356
Usage	1
Net	319,355

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

August 2014

Energy produced by the project:

Gross Energy	273,811 Kwh
Usage - Current Month	3 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	273,808 Kwh

Total Delivered Energy Less Inadvertent	273,808 Kwh
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Surplus Energy Calculation

Projects estimated energy deliveries	277,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	273,808 Kwh
110 % Projects estimated energy deliveries	304,700 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	249,300 Kwh
Total Delivered Energy Less Inadvertent	273,808 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy	0 Kwh
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Net Energy Less Inadvertent Energy

Total Heavy Load Energy	151,850 Kwh
Total Light Load Energy	121,958 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	273,808 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Aug-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
8/1/2014	380	380	378	375	375	375	373	376	379	378	376	380	383	376	373	372	373	376	378	381	382	389	386	383	9,093	6,043	3,050
8/2/2014	385	381	390	387	387	387	387	386	407	416	424	424	424	422	422	421	422	422	423	422	422	420	418	418	9,839	6,864	3,175
8/3/2014	417	416	413	414	412	412	413	415	420	424	426	427	428	427	428	427	427	427	427	428	427	426	426	425	10,131	0	10,131
8/4/2014	427	426	427	426	425	426	425	423	422	420	424	424	424	424	425	425	424	423	423	421	421	419	418	420	10,160	6,765	3,395
8/5/2014	420	418	420	421	419	419	419	417	418	419	422	421	422	421	422	388	426	426	428	428	426	426	426	428	10,104	6,735	3,369
8/6/2014	428	426	424	424	425	425	425	425	425	425	425	424	422	422	414	418	420	415	415	417	417	416	416	418	10,107	6,723	3,384
8/7/2014	418	418	420	419	421	422	421	421	421	381	378	379	380	380	376	373	373	374	376	376	374	375	374	374	9,378	6,112	3,267
8/8/2014	372	370	369	368	368	366	369	368	368	363	372	379	385	388	388	388	388	382	395	403	408	408	408	407	9,177	6,181	3,026
8/9/2014	408	403	402	399	400	398	398	408	410	407	401	398	391	382	381	388	390	390	392	395	88	-1	407	410	8,859	5,634	3,225
8/10/2014	408	407	406	407	407	405	407	411	415	421	424	425	425	426	426	427	427	427	427	427	428	427	428	428	10,083	0	10,083
8/11/2014	425	425	425	424	426	424	426	422	395	400	391	208	378	375	327	329	332	329	325	320	324	328	333	338	8,830	5,610	3,220
8/12/2014	342	348	353	360	367	371	374	394	396	398	380	372	367	362	326	290	371	381	381	380	378	377	378	378	8,804	6,806	2,898
8/13/2014	377	377	377	376	378	380	382	383	389	377	370	365	361	355	351	349	342	330	327	329	333	337	338	337	9,483	6,434	3,049
8/14/2014	388	390	388	386	384	382	381	383	388	391	313	316	318	320	323	321	327	328	332	334	348	351	354	357	8,680	5,679	3,001
8/15/2014	357	355	354	351	350	348	346	352	358	352	349	347	346	341	343	343	343	344	345	342	344	339	337	333	8,145	0	8,145
8/16/2014	305	320	328	333	337	337	341	345	351	352	349	347	346	341	343	296	291	300	294	290	291	291	288	290	7,646	5,001	2,646
8/17/2014	337	338	342	344	350	356	361	360	339	332	328	318	308	303	296	288	288	288	288	288	288	285	287	280	7,186	4,803	2,353
8/18/2014	280	282	283	286	289	289	289	300	285	288	287	289	287	288	284	288	288	286	290	295	301	305	308	308	7,123	4,734	2,389
8/19/2014	282	283	284	285	289	289	289	300	285	288	287	289	287	288	284	288	288	286	290	295	301	305	308	308	7,061	4,372	2,589
8/20/2014	309	313	318	322	328	333	340	346	366	367	354	342	332	326	325	321	322	322	323	326	329	331	332	334	7,861	6,544	2,761
8/21/2014	336	337	339	339	341	341	344	355	361	361	359	359	360	363	365	366	365	365	364	365	366	365	364	364	8,544	5,783	2,761
8/22/2014	352	357	351	348	344	340	339	344	349	338	332	325	317	305	303	304	305	306	308	315	316	317	318	318	7,881	8,123	2,738
8/23/2014	317	318	318	317	318	319	319	320	322	320	318	315	314	315	314	313	313	312	312	312	312	310	315	316	7,577	0	7,577
8/24/2014	315	318	322	325	330	332	335	341	350	356	354	349	342	335	330	339	336	303	321	323	320	322	322	321	7,841	5,366	2,486
8/25/2014	321	319	317	312	315	311	314	321	357	374	378	403	396	390	387	387	387	382	381	382	384	385	389	380	8,882	6,008	2,874
8/26/2014	390	382	390	382	383	395	394	365	376	378	372	359	348	339	331	320	308	312	316	319	321	320	317	316	8,481	6,496	2,985
8/27/2014	316	316	315	316	318	317	318	321	315	318	327	333	339	343	340	343	346	345	348	346	348	350	351	346	7,877	5,381	2,888
8/28/2014	348	352	352	358	357	362	368	385	388	387	395	402	408	407	403	401	402	407	408	412	411	410	412	409	8,341	6,391	2,950
8/29/2014	411	413	413	412	411	409	405	403	411	429	424	425	425	424	423	422	420	419	418	415	410	417	418	417	9,995	6,691	3,304
8/30/2014	418	418	418	417	417	416	417	420	423	419	419	424	423	422	422	420	421	421	421	416	419	421	421	421	10,074	0	10,074
8/31/2014																									157,866		121,958
Total																									273,808	157,866	

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	273,811
Usage	3
Net	273,808

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

September 2014

Energy produced by the project:

Gross Energy	234,444 Kwh
Usage - Current Month	2 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	234,442 Kwh

Total Delivered Energy Less Inadvertent 234,442 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 210,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	234,442 Kwh
110 % Projects estimated energy deliveries	231,000 Kwh
Current Month Net Energy that is more than 110%	3,442 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	189,000 Kwh
Total Delivered Energy Less Inadvertent	234,442 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 3,442 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	126,379 Kwh
Total Light Load Energy	104,621 Kwh
Total Surplus Energy	3,442 Kwh
Total Delivered Energy Less Inadvertent	234,442 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Sep-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL	
9/1/2014	422	423	421	422	424	424	424	423	423	422	416	407	400	394	390	388	388	380	394	394	396	387	400	400	9,784	0	9,784	
9/2/2014	398	394	392	392	392	391	391	392	396	398	398	393	394	390	391	391	393	391	391	393	394	394	396	398	9,443	6,290	3,153	
9/3/2014	398	400	400	400	402	401	401	403	419	420	414	411	409	405	404	401	399	395	393	391	390	390	392	391	9,829	6,446	3,184	
9/4/2014	391	393	396	399	400	402	403	399	399	398	398	394	393	398	395	397	393	392	390	390	391	391	393	396	9,323	6,173	3,150	
9/5/2014	399	390	394	394	394	398	398	400	401	409	414	417	420	418	419	418	416	416	417	417	419	418	418	419	9,813	6,817	3,196	
9/6/2014	417	418	417	416	414	413	413	406	410	414	410	408	406	400	398	402	404	404	406	405	397	391	397	394	9,740	6,474	3,266	
9/7/2014	382	382	379	380	378	380	378	380	384	389	392	393	396	395	397	399	395	393	394	393	394	394	390	385	9,319	0	9,319	
9/8/2014	383	382	378	377	376	374	372	373	373	364	343	331	326	334	342	325	345	380	389	371	366	356	341	328	8,590	5,650	2,940	
9/9/2014	321	319	319	318	324	327	328	341	368	358	350	336	324	311	308	294	298	289	301	303	306	308	310	309	7,669	5,121	2,548	
9/10/2014	312	315	312	315	317	318	321	336	342	353	356	350	348	343	351	359	355	354	356	357	359	356	352	353	8,188	5,596	2,592	
9/11/2014	348	346	346	347	348	348	347	349	345	339	336	328	320	318	313	293	270	289	270	280	280	299	306	315	7,659	4,856	2,793	
9/12/2014	316	318	316	316	317	318	316	312	323	336	354	324	321	313	310	310	312	310	314	316	317	319	324	328	8,258	5,827	2,631	
9/13/2014	398	388	384	385	381	358	358	358	355	345	334	324	321	313	310	310	312	310	314	316	317	319	324	328	8,051	5,216	2,835	
9/14/2014	330	332	334	335	336	338	337	338	337	328	313	309	310	310	307	306	303	306	307	305	306	304	305	308	7,640	0	7,640	
9/15/2014	309	311	313	317	323	328	329	335	334	328	314	294	280	270	263	256	253	246	246	244	242	243	243	243	6,964	4,477	2,387	
9/16/2014	245	245	245	245	253	255	254	213	201	223	244	256	264	266	268	271	288	268	260	265	273	273	273	274	5,919	4,068	1,954	
9/17/2014	289	275	273	278	273	277	278	280	290	281	289	267	244	230	231	242	245	248	252	255	258	264	283	285	6,297	4,124	2,173	
9/18/2014	284	270	285	288	270	270	272	271	282	291	287	283	278	275	276	276	275	278	281	286	286	288	287	288	8,567	4,484	2,183	
9/19/2014	288	289	291	289	289	286	285	286	290	274	268	268	268	318	338	348	353	358	359	360	357	361	363	359	359	7,853	5,293	2,460
9/20/2014	361	357	357	353	347	345	346	342	368	338	323	311	304	301	301	303	303	309	310	311	317	319	322	323	7,868	5,103	2,785	
9/21/2014	322	319	318	323	326	323	328	326	326	336	341	337	339	336	331	327	329	329	330	330	331	335	338	338	7,920	0	7,920	
9/22/2014	343	341	346	352	353	356	354	366	365	368	360	341	337	339	335	334	327	278	276	277	277	278	276	274	7,616	4,975	2,641	
9/23/2014	278	276	272	268	265	261	260	265	280	263	248	245	239	234	233	229	236	236	296	301	304	305	308	312	6,747	3,921	2,141	
9/24/2014	284	288	270	274	277	283	284	287	292	298	305	307	300	134	208	260	281	293	296	251	262	273	285	300	6,920	4,438	2,482	
9/25/2014	311	312	314	318	318	324	325	315	312	305	293	283	272	266	262	260	258	255	249	251	262	273	285	300	7,863	6,332	2,631	
9/26/2014	311	312	310	310	309	309	310	320	330	340	337	337	337	334	334	337	334	336	335	336	337	338	336	334	7,863	6,332	2,631	
9/27/2014	333	333	336	333	336	338	339	340	339	336	324	300	290	281	278	272	275	273	272	271	275	277	281	284	7,315	4,742	2,573	
9/28/2014	278	279	278	276	274	273	273	270	198	278	281	281	278	275	276	274	273	273	270	278	280	279	282	283	6,599	0	6,599	
9/29/2014	290	290	290	297	301	308	319	325	327	332	325	313	300	287	282	275	285	262	258	252	262	258	257	254	6,918	4,630	2,288	
9/30/2014	256	258	254	251	248	248	244	228	237	257	265	263	260	260	269	262	284	284	262	263	264	280	281	280	6,148	4,112	2,036	
																									128,282	106,180		
																									234,442			

Hourly Generation Exceeding Plant Capacity of 450

0

Generation
Usage

234,444

2

234,442

Net

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

October 2014

Energy produced by the project:

Gross Energy	27,805 Kwh
Usage - Current Month	1,109 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	26,696 Kwh

Total Delivered Energy Less Inadvertent **26,696 Kwh**

Surplus Energy Calculation

Projects estimated energy deliveries **60,000 Kwh**

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	26,696 Kwh
110 % Projects estimated energy deliveries	66,000 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	54,000 Kwh
Total Delivered Energy Less Inadvertent	26,696 Kwh
Current Month Net Energy that is less than 90%	26,696 Kwh

Total Surplus Energy **26,696 Kwh**

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	0 Kwh
Total Light Load Energy	0 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	26,696 Kwh

MT

Arena Drop
Project Number 21615205
Header # 1124

Oct-14

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
10/1/2014	258	258	259	258	258	257	261	238	212	210	211	211	212	214	216	216	215	215	214	212	208	206	208	208	5,430	3,468	1,962
10/2/2014	268	203	206	208	209	206	207	210	210	221	219	239	256	263	174	173	247	260	261	261	262	264	264	268	5,497	3,727	1,770
10/3/2014	268	265	269	267	268	268	272	270	274	276	282	287	287	287	285	280	276	275	269	270	267	268	266	265	6,560	4,425	2,135
10/4/2014	265	262	259	254	251	246	244	240	245	230	216	200	184	173	183	161	160	140	140	137	135	135	135	136	4,891	2,883	1,908
10/5/2014	137	138	139	138	138	139	139	139	139	140	139	139	140	140	145	145	141	142	142	140	141	141	141	141	3,363	0	3,363
10/6/2014	139	140	140	140	141	141	142	140	150	161	162	165	165	142	110	72	13	13	142	140	141	141	141	141	3,363	0	3,363
10/7/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2,249	1,412	837
10/8/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/9/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/10/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/11/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/12/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/13/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/14/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/15/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/16/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/17/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/18/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/19/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/20/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/21/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/22/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/23/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/24/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/25/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/26/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/27/2014	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-32	-16
10/28/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-46	-32	-16
10/29/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-46	-32	-16
10/30/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-46	-32	-16
10/31/2014	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-46	-32	-16
Total																									26,696	15,283	11,413

Generation	27,805
Usage	1,109
Net	26,696

Hourly Generation Exceeding Plant Capacity of 450 0

**ARENA GENERATION
2013**

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

January 2013

Energy produced by the project:

Gross Energy	0 Kwh
Usage - Current Month	0 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	0 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	0 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	0 Kwh
10 aMW Maximum allowed for the month	7,440,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	0 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	0 Kwh
110 % Projects estimated energy deliveries	0 Kwh
Current Month Net Energy that is less than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	0 Kwh
Total Delivered Energy Less Inadvertent	0 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 0 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	0 Kwh
Total Light Load Energy	0 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	0 Kwh

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

April 2013

Energy produced by the project:

Gross Energy	117,864 Kwh
Usage - Current Month	614 Kwh
Losses - Current Month	11 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	117,239 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	117,239 Kwh

Monthly inadvertent Energy Calculation

Total Delivered Energy	117,239 Kwh
10 aMW Maximum allowed for the month	7,200,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	75,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	117,239 Kwh
110 % Projects estimated energy deliveries	82,500 Kwh
Current Month Net Energy that is less than 110%	34,739 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	67,500 Kwh
Total Delivered Energy Less Inadvertent	117,239 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 34,739 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	49,607 Kwh
Total Light Load Energy	32,893 Kwh
Total Surplus Energy	34,739 Kwh
Total Delivered Energy Less Inadvertent	117,239 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Apr-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
4/1/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/2/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/3/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/4/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/5/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/6/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/7/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/8/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/9/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/10/2013	294	237	242	252	282	275	289	348	362	369	387	380	387	380	373	372	374	378	376	378	377	374	376	376	3,098	2,558	460
4/11/2013	379	378	377	377	377	378	378	348	339	324	308	301	288	287	288	288	289	288	288	288	300	301	305	307	8,134	5,980	2,284
4/12/2013	399	305	308	310	309	310	317	253	208	204	200	183	187	182	174	183	188	190	213	232	234	231	224	218	7,885	4,987	2,878
4/13/2013	208	208	213	218	224	231	239	327	331	328	330	329	319	310	303	288	285	293	283	297	300	302	303	304	5,634	3,340	2,284
4/14/2013	334	306	308	303	312	312	314	303	289	303	315	322	333	342	344	351	360	391	380	373	373	363	105	-2	7,402	4,892	1,909
4/15/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-48
4/16/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-31	-15
4/17/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-30	-16
4/18/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-31	-16
4/19/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-31	-16
4/20/2013	365	364	363	362	363	361	360	353	355	356	353	348	348	348	349	346	346	348	348	348	375	373	370	368	4,645	3,821	724
4/21/2013	351	351	351	350	350	351	350	350	338	337	338	339	340	342	339	340	340	342	342	342	349	351	350	351	8,485	5,806	2,878
4/22/2013	344	344	344	343	340	346	351	272	301	304	291	288	250	237	234	235	228	228	235	237	344	344	344	344	8,269	0	6,269
4/23/2013	243	246	247	248	252	252	257	243	254	278	303	316	311	310	321	345	325	304	303	312	322	327	330	332	6,888	4,181	2,835
4/24/2013	333	334	335	337	339	339	338	332	325	327	330	330	328	326	324	328	330	328	326	328	327	328	327	327	6,881	4,831	2,169
4/25/2013	328	328	324	323	321	320	320	319	313	285	282	249	238	232	233	235	237	238	243	245	244	243	241	238	6,558	4,137	2,419
4/26/2013	239	238	238	237	237	238	239	240	238	235	236	240	246	251	252	255	261	258	257	255	252	247	245	246	5,882	3,982	1,920
4/27/2013	251	256	259	261	263	264	268	268	268	274	268	263	260	258	258	255	253	253	252	251	247	244	240	237	6,168	4,137	2,031
4/28/2013	239	236	235	237	237	237	239	242	245	245	245	246	247	247	247	248	248	244	243	240	241	243	245	246	5,815	0	5,815
4/29/2013	248	249	251	253	255	257	258	219	217	230	229	221	216	213	220	224	223	225	222	225	227	226	227	225	6,560	3,585	1,965
4/30/2013	225	228	230	231	234	237	238	238	223	221	232	247	260	271	278	283	281	270	269	261	272	275	280	82	8,838	4,110	1,728
Total																									117,250	70,502	46,748

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	117,864
Usage	614
Net	117,250

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

May 2013

Energy produced by the project:

Gross Energy	245,184 Kwh
Usage - Current Month	1 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	245,183 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	245,183 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	245,183 Kwh
10 aMW Maximum allowed for the month	7,440,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	200,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	245,183 Kwh
110 % Projects estimated energy deliveries	220,000 Kwh
Current Month Net Energy that is less than 110%	25,183 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	180,000 Kwh
Total Delivered Energy Less Inadvertent	245,183 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 25,183 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	122,886 Kwh
Total Light Load Energy	97,114 Kwh
Total Surplus Energy	25,183 Kwh
Total Delivered Energy Less Inadvertent	245,183 Kwh

Arena Drop
Project Number 21615205
Header # 1124

May-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL	
5/1/2013	271	307	303	303	304	306	308	334	374	381	351	332	316	304	304	303	288	280	291	291	281	291	290	291	291	7,412	5,037	2,375
5/2/2013	290	292	292	293	293	296	297	300	305	309	309	303	295	295	292	298	300	306	303	302	301	303	306	308	308	7,188	4,518	2,370
5/3/2013	311	312	314	317	321	325	331	321	321	295	290	293	295	298	298	300	298	288	297	294	296	302	309	312	7,328	4,808	2,521	
5/4/2013	317	320	328	336	341	346	347	343	325	321	326	325	323	318	310	307	305	303	300	298	296	297	297	297	7,626	5,044	2,592	
5/5/2013	302	304	304	307	311	312	315	326	334	335	344	348	348	351	356	357	358	358	353	350	347	344	343	344	8,047	0	8,047	
5/6/2013	346	347	352	357	361	363	366	376	375	382	373	360	342	328	317	307	300	299	296	296	295	293	291	290	8,011	6,306	2,706	
5/7/2013	292	303	317	332	344	352	358	341	333	357	383	388	388	391	393	401	398	386	383	388	387	388	384	384	8,790	6,082	2,708	
5/8/2013	382	374	361	350	341	337	337	337	319	309	313	313	308	304	301	297	287	286	300	294	291	288	286	282	7,618	4,905	2,713	
5/9/2013	283	283	280	280	280	281	284	287	301	305	308	313	317	319	321	326	328	328	321	318	309	299	291	289	267	7,216	4,953	2,283
5/10/2013	286	286	285	283	281	281	281	199	201	216	230	236	240	248	254	312	302	288	287	288	289	301	301	303	6,518	4,212	2,306	
5/11/2013	308	308	307	307	308	308	309	324	364	361	353	349	346	344	337	333	328	328	321	315	316	320	321	324	7,837	5,348	2,489	
5/12/2013	325	326	327	328	330	330	331	320	322	324	325	325	328	325	324	323	321	317	314	312	310	311	311	313	7,720	0	7,720	
5/13/2013	314	315	313	313	311	311	312	321	347	355	357	356	356	354	352	341	346	344	344	344	341	348	350	351	8,093	5,515	2,578	
5/14/2013	351	351	350	351	351	351	352	348	348	350	352	359	360	361	361	361	360	361	361	365	368	368	366	366	8,568	5,731	2,837	
5/15/2013	366	367	367	368	368	368	370	371	342	348	359	358	358	358	359	359	360	360	380	389	394	393	393	384	8,843	6,732	2,911	
5/16/2013	353	358	360	361	362	362	363	353	348	314	-1	380	400	401	402	400	408	407	406	405	404	402	400	398	9,689	6,509	3,180	
5/17/2013	394	395	397	398	398	400	401	404	412	409	403	408	409	410	411	410	406	407	398	397	394	393	393	394	8,883	5,740	2,843	
5/18/2013	368	394	391	389	387	386	386	377	364	344	330	322	315	309	300	292	301	306	308	305	303	284	281	266	8,016	6,146	2,870	
5/19/2013	270	273	272	275	275	280	282	287	288	289	291	293	293	285	281	289	284	278	274	272	273	275	278	278	6,784	0	6,784	
5/20/2013	279	283	283	283	284	286	291	292	307	330	351	361	365	366	368	368	372	373	374	373	374	373	372	373	8,082	5,639	2,443	
5/21/2013	373	371	372	372	378	377	380	403	401	394	388	380	370	359	348	341	331	332	329	336	331	338	343	347	8,888	5,757	2,931	
5/22/2013	347	346	343	338	340	343	342	349	383	375	369	365	357	351	349	353	359	358	360	351	333	327	325	323	8,367	5,682	2,705	
5/23/2013	325	327	329	327	330	342	343	342	336	336	338	337	330	325	317	314	311	308	299	294	292	290	288	288	7,666	5,110	2,556	
5/24/2013	293	299	311	323	332	340	349	352	349	342	347	355	360	363	365	366	368	364	364	363	361	355	351	353	8,323	5,721	2,602	
5/25/2013	350	345	342	338	339	340	343	363	363	362	363	363	364	365	365	365	366	364	365	366	368	367	368	368	8,590	6,800	2,790	
5/26/2013	369	369	370	370	371	371	372	372	374	375	376	377	378	376	376	379	378	375	374	374	374	374	376	376	8,974	0	8,974	
5/27/2013	375	375	374	373	373	373	374	372	368	366	368	369	371	372	370	368	368	368	367	369	370	370	369	368	8,890	0	8,890	
5/28/2013	368	367	367	367	368	369	370	387	364	360	356	352	342	334	330	328	327	325	317	310	313	317	317	318	8,254	5,413	2,841	
5/29/2013	320	319	317	313	310	311	310	321	334	339	340	336	330	326	323	321	318	315	310	307	304	304	301	300	7,629	5,138	2,491	
5/30/2013	298	296	293	288	283	281	282	253	253	281	265	265	264	263	262	222	218	232	240	243	245	243	247	248	6,246	4,911	2,338	
5/31/2013	246	245	245	244	245	249	249	249	260	266	253	249	246	243	237	233	229	229	228	223	218	215	212	213	Total	245,183	136,953	108,230

Generation	245,184
Usage	1
Net	245,183

Hourly Generation Exceeding Plant Capacity of 450 0

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

June 2013

Energy produced by the project:

Gross Energy	258,770 Kwh
Usage - Current Month	6 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	258,764 Kwh

Total Delivered Energy Less Inadvertent	258,764 Kwh
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Surplus Energy Calculation

Projects estimated energy deliveries	240,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	258,764 Kwh
110 % Projects estimated energy deliveries	264,000 Kwh
Current Month Net Energy that is less than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	216,000 Kwh
Total Delivered Energy Less Inadvertent	258,764 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy	0 Kwh
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Net Energy Less Inadvertent Energy

Total Heavy Load Energy	144,769 Kwh
Total Light Load Energy	113,995 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	258,764 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Jun-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
6/1/2013	209	206	207	207	208	208	205	158	167	188	197	200	202	215	217	220	219	214	213	214	208	204	203	205	4,894	3,241	1,653
6/2/2013	206	209	212	212	214	221	220	221	223	225	224	226	228	235	239	231	230	230	234	228	227	230	229	232	5,386	0	5,386
6/3/2013	236	247	265	291	314	332	345	362	346	338	336	333	332	328	326	316	313	312	308	302	300	298	298	301	7,461	5,196	2,265
6/4/2013	303	305	309	312	313	314	320	317	304	291	281	286	257	248	240	234	237	238	234	235	234	239	238	243	8,614	4,177	2,337
6/5/2013	247	253	260	269	280	289	298	300	327	341	348	351	350	344	339	327	341	346	337	333	333	332	330	325	7,698	5,345	2,253
6/6/2013	325	326	331	336	344	350	354	351	342	337	333	331	329	327	324	322	321	316	307	302	298	297	292	292	7,790	5,192	2,608
6/7/2013	287	285	284	283	284	284	286	265	234	281	281	300	298	290	284	276	276	277	283	274	273	272	271	268	6,988	4,748	2,247
6/8/2013	266	267	268	272	274	278	284	276	281	271	269	278	283	287	287	306	318	325	324	319	312	308	308	308	6,596	4,429	2,167
6/9/2013	308	315	322	328	334	339	340	328	352	362	369	369	373	379	368	368	366	365	365	362	359	358	355	352	6,054	0	6,054
6/10/2013	351	351	352	352	353	355	355	346	347	343	334	328	328	331	330	328	318	317	315	312	309	308	308	308	8,434	6,779	2,655
6/11/2013	415	413	411	410	408	407	405	403	406	407	405	401	401	400	407	405	404	403	403	402	402	402	400	397	9,717	6,335	2,938
6/12/2013	394	397	396	396	396	395	394	382	388	387	386	388	386	386	386	386	386	449	448	448	448	447	447	446	9,192	6,456	3,261
6/13/2013	446	445	445	444	444	444	443	440	433	435	435	435	434	401	407	408	408	407	408	408	409	410	410	411	10,211	6,722	3,489
6/14/2013	410	409	407	404	406	404	405	403	380	366	381	383	398	402	403	401	397	395	394	389	389	388	388	386	9,477	6,265	3,212
6/15/2013	386	384	384	384	388	388	387	388	387	384	380	378	376	375	373	373	370	369	368	368	366	366	368	367	9,049	0	9,049
6/16/2013	397	386	388	389	370	372	371	373	385	390	409	416	418	417	415	416	422	418	418	418	416	415	417	418	9,540	6,495	3,045
6/17/2013	416	415	414	415	416	415	417	415	405	401	394	384	373	382	345	338	330	327	312	318	317	318	320	322	8,888	6,754	3,132
6/18/2013	319	330	346	365	375	378	380	380	375	378	378	379	379	378	377	378	382	385	387	387	387	388	388	390	8,987	6,094	2,893
6/19/2013	380	389	384	380	375	370	368	373	398	400	402	404	406	408	407	408	405	405	405	405	406	408	408	408	8,502	6,402	3,100
6/20/2013	405	408	407	408	408	409	408	381	378	377	378	378	378	378	377	377	377	377	377	377	377	377	377	377	9,360	6,013	3,347
6/21/2013	450	449	448	448	448	447	447	447	441	441	441	440	440	438	438	437	438	437	437	437	437	437	437	437	10,598	7,033	3,568
6/22/2013	438	438	438	438	438	438	437	438	431	431	431	431	430	430	430	429	429	429	428	428	428	428	428	428	10,371	0	10,371
6/23/2013	428	428	427	427	427	428	425	410	403	408	416	421	422	422	423	422	422	423	423	423	423	421	422	422	10,112	6,766	3,407
6/24/2013	423	423	423	423	423	423	422	422	423	423	416	416	416	416	416	416	416	416	416	416	416	416	416	416	10,112	6,766	3,407
6/25/2013	405	406	406	407	408	408	409	410	417	422	423	424	424	423	423	423	421	421	421	420	421	421	421	421	9,909	6,559	3,350
6/26/2013	420	420	420	419	419	419	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	418	10,006	6,723	3,283
6/27/2013	369	367	363	358	351	348	344	317	321	333	345	355	360	364	366	366	364	365	365	365	365	365	365	365	8,460	6,291	3,259
6/28/2013	368	378	380	394	395	395	395	394	385	395	395	395	395	395	395	394	394	395	395	395	395	395	395	395	8,547	6,661	2,886
6/29/2013	388	396	387	397	397	397	396	395	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	9,434	6,318	3,116
6/30/2013	398	396	387	397	397	397	396	395	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	396	9,480	0	9,480
Total																									258,784	144,769	113,995

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	258,770
Usage	6
Net	258,784

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

July 2013

Energy produced by the project:

Gross Energy	295,944 Kwh
Usage - Current Month	6 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	295,938 Kwh

Total Delivered Energy Less Inadvertent 295,938 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 287,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	295,938 Kwh
110 % Projects estimated energy deliveries	315,700 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	258,300 Kwh
Total Delivered Energy Less Inadvertent	295,938 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 0 Kwh

Net Energy Less inadvertent Energy

Total Heavy Load Energy	164,785 Kwh
Total Light Load Energy	131,153 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	295,938 Kwh

MT

Arena Drop

Project Number 21615205

Header # 1124

Jul-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL	
7/1/2013	394	394	393	394	394	394	394	384	346	-1	446	456	448	447	445	417	428	432	426	421	417	408	78	417	9,185	6,327	2,858	
7/2/2013	416	418	422	424	425	425	428	417	411	433	434	432	431	430	428	428	427	424	428	428	426	422	422	422	10,187	6,822	3,375	
7/3/2013	421	421	421	421	421	422	413	408	415	417	417	416	416	415	414	413	412	410	408	409	408	408	407	408	9,940	6,669	3,340	
7/4/2013	406	405	405	405	405	404	404	405	405	405	405	396	401	400	399	400	398	395	393	392	391	392	392	392	9,596	0	9,596	
7/5/2013	392	393	392	390	389	388	390	391	392	388	389	392	393	394	398	402	406	409	410	409	409	409	408	408	8,542	8,381	3,161	
7/6/2013	408	408	408	408	408	408	408	409	401	407	410	413	414	414	414	414	415	415	416	416	420	420	420	421	9,897	6,608	3,289	
7/7/2013	420	422	423	423	423	423	422	422	425	425	426	427	425	425	423	423	423	422	423	424	424	425	424	425	10,167	0	10,167	
7/8/2013	427	428	428	428	428	428	427	427	427	427	427	427	427	427	427	414	421	421	422	422	422	423	423	423	10,201	6,788	3,413	
7/9/2013	425	428	429	430	431	431	431	430	429	428	423	416	410	405	403	393	389	387	386	383	384	384	385	383	383	9,821	6,479	3,342
7/10/2013	382	381	380	379	378	377	377	378	377	380	385	392	398	400	400	398	386	389	388	387	380	390	387	386	400	9,318	6,241	3,077
7/11/2013	399	401	404	407	408	409	410	409	410	410	405	397	392	388	386	384	386	389	388	387	380	390	387	386	9,822	6,322	3,200	
7/12/2013	382	381	380	381	380	377	377	378	377	380	385	392	398	400	400	399	398	393	388	389	387	388	384	383	9,276	6,228	3,048	
7/13/2013	380	378	375	373	371	370	371	359	361	373	388	398	399	399	397	397	397	398	398	398	398	398	399	399	9,276	6,230	3,045	
7/14/2013	398	399	399	399	399	399	399	399	399	399	399	399	399	399	399	399	397	397	398	398	398	398	398	398	9,276	6,230	3,045	
7/15/2013	433	433	436	440	440	440	439	438	438	437	437	437	437	437	436	438	438	436	436	436	436	436	437	437	9,770	0	9,770	
7/16/2013	437	437	437	436	436	436	435	429	425	425	412	410	404	398	394	388	386	386	383	395	388	387	386	387	10,462	6,986	3,496	
7/17/2013	388	396	396	397	397	397	398	361	366	373	373	368	371	371	367	366	367	369	371	372	372	374	375	379	9,800	6,476	3,414	
7/18/2013	384	387	389	389	400	401	401	396	403	413	420	426	428	425	424	423	421	419	417	416	415	417	417	418	9,074	5,839	3,135	
7/19/2013	416	415	416	414	414	414	414	414	415	413	408	408	407	411	415	418	421	422	422	422	422	421	421	421	9,983	6,681	3,215	
7/20/2013	420	414	407	400	394	381	390	396	396	392	392	393	394	394	395	396	397	394	393	393	390	387	384	383	9,485	6,292	3,193	
7/21/2013	382	382	382	383	385	384	384	386	384	383	382	379	377	373	374	376	374	371	370	369	368	369	367	368	9,053	0	9,053	
7/22/2013	371	374	376	378	379	382	384	381	383	397	401	403	404	402	400	399	396	396	397	397	396	396	396	397	9,385	6,332	3,053	
7/23/2013	387	396	398	400	400	399	399	399	390	389	390	392	391	393	395	397	398	390	393	394	394	394	395	397	9,430	6,248	3,182	
7/24/2013	397	398	397	397	397	398	398	398	395	395	395	395	397	398	398	397	397	397	444	442	442	442	441	439	9,440	6,176	3,264	
7/25/2013	438	437	435	436	436	436	434	433	433	433	433	433	431	424	427	428	430	429	429	425	407	400	392	391	10,230	6,829	3,401	
7/26/2013	391	391	392	392	392	392	392	392	392	392	399	398	398	398	397	398	398	398	390	391	391	391	399	398	9,388	6,231	3,127	
7/27/2013	388	397	396	396	395	394	394	396	392	396	396	399	401	402	402	404	405	406	407	407	407	407	407	407	9,533	6,403	3,130	
7/28/2013	409	410	413	413	414	414	414	414	418	420	420	420	421	421	420	419	419	418	418	418	418	417	416	415	9,999	0	9,999	
7/29/2013	414	415	415	409	418	417	417	407	380	384	388	384	386	347	343	333	323	322	323	323	322	323	323	319	8,725	5,595	3,130	
7/30/2013	319	321	322	321	324	328	323	327	324	325	322	324	328	336	343	345	346	342	339	338	337	337	335	334	7,838	6,336	2,502	
7/31/2013	336	339	341	344	344	345	345	344	337	340	347	351	354	356	358	355	354	354	353	353	352	351	350	350	8,361	5,602	2,749	
Total																									295,938	164,785	131,153	

Hourly Generation Exceeding Plant Capacity of 450

0

Generation
Usage
Net

295,944
6
295,938

8/1/2013 11:28:19 AM

Project Payment MV90 Hourly

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

August 2013

Energy produced by the project:

Gross Energy	272,851 Kwh
Usage - Current Month	4 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	272,847 Kwh

Total Delivered Energy Less Inadvertent **272,847 Kwh**

Surplus Energy Calculation

Projects estimated energy deliveries **277,000 Kwh**

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	272,847 Kwh
110 % Projects estimated energy deliveries	304,700 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	249,300 Kwh
Total Delivered Energy Less Inadvertent	272,847 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy **0 Kwh**

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	157,251 Kwh
Total Light Load Energy	115,596 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	272,847 Kwh

MT

Arena Drop
Project Number 21615205
Header # 1124

Aug-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
8/1/2013	350	351	354	355	355	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
8/2/2013	341	341	342	343	342	342	340	343	348	351	353	354	355	358	358	358	357	357	357	357	358	358	358	358	358	358	358
8/3/2013	359	357	353	351	352	351	351	351	351	348	350	352	355	355	354	354	354	354	354	354	355	355	355	355	355	355	355
8/4/2013	357	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
8/5/2013	359	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
8/6/2013	338	340	340	340	340	340	341	338	341	341	342	341	341	341	340	340	340	340	340	340	340	340	340	340	340	340	340
8/7/2013	340	340	342	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345	345
8/8/2013	345	345	345	344	344	344	343	343	343	343	343	343	343	343	342	342	342	342	342	342	342	342	342	342	342	342	342
8/9/2013	342	343	343	342	342	343	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342
8/10/2013	427	427	427	427	426	425	425	425	424	423	423	425	427	426	424	424	423	422	422	424	424	424	424	424	424	424	424
8/11/2013	423	422	421	420	420	420	420	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
8/12/2013	410	410	409	409	409	409	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
8/13/2013	380	388	387	384	379	386	391	380	387	389	383	378	389	385	382	381	382	383	383	385	386	386	386	386	386	386	386
8/14/2013	367	366	363	363	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364
8/15/2013	384	384	383	382	391	391	391	380	385	383	376	388	383	380	358	349	349	348	348	350	354	356	358	358	358	358	358
8/16/2013	358	357	357	357	357	357	357	357	355	353	350	369	371	369	368	364	362	361	362	362	361	361	361	361	361	361	361
8/17/2013	358	358	357	356	353	351	351	350	358	363	371	377	380	381	383	382	382	384	384	387	382	392	392	392	392	392	392
8/18/2013	393	393	393	393	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392
8/19/2013	391	391	391	392	393	393	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392
8/20/2013	367	367	368	370	371	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372
8/21/2013	351	366	354	356	359	360	358	365	376	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388
8/22/2013	365	385	384	383	384	384	385	385	385	388	387	386	387	387	387	387	387	387	387	386	387	387	387	387	387	387	387
8/23/2013	368	387	387	387	387	386	380	376	376	376	375	374	374	375	375	376	376	376	377	376	376	376	376	376	376	376	376
8/24/2013	377	377	377	377	377	378	377	377	377	378	378	378	378	378	378	378	378	378	378	378	378	378	378	378	378	378	378
8/25/2013	364	362	362	362	361	361	361	361	364	366	367	367	367	368	368	368	368	368	368	367	368	368	368	368	368	368	368
8/26/2013	367	357	358	358	359	358	358	358	358	358	358	358	358	358	358	358	358	358	358	357	358	358	358	358	358	358	358
8/27/2013	347	348	351	353	356	357	358	359	357	355	349	342	333	326	320	298	305	322	330	333	336	336	337	337	337	337	337
8/28/2013	338	340	342	343	345	348	349	350	351	348	349	348	350	354	354	355	355	355	355	355	354	345	349	352	352	352	352
8/29/2013	352	353	353	354	354	355	354	355	354	348	353	356	356	356	356	356	357	357	358	358	358	358	358	358	358	358	358
8/30/2013	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358	358
8/31/2013	359	359	359	359	359	360	361	360	361	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362	362

Generation	272,851
Usage	4
Net	272,847

Hourly Generation Exceeding Plant Capacity of 450

0

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Project Payment MV90 Hourly

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

September 2013

Energy produced by the project:

Gross Energy	26,303 Kwh
Usage - Current Month	939 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	25,364 Kwh

Total Delivered Energy Less Inadvertent **25,364 Kwh**

Surplus Energy Calculation

Projects estimated energy deliveries **195,000 Kwh**

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	25,364 Kwh
110 % Projects estimated energy deliveries	214,500 Kwh
Current Month Net Energy that is more than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	175,500 Kwh
Total Delivered Energy Less Inadvertent	25,364 Kwh
Current Month Net Energy that is less than 90%	25,364 Kwh

Total Surplus Energy **25,364 Kwh**

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	0 Kwh
Total Light Load Energy	0 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	25,364 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Sep-13

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	H/L	L/L	
9/1/2013	357	358	355	363	358	355	354	350	351	345	351	354	355	366	356	356	356	356	355	356	356	356	357	357	8,510	0	8,510	
9/2/2013	357	358	358	359	359	359	359	361	357	359	359	359	368	357	355	350	347	346	347	349	350	352	352	352	8,519	0	8,519	
9/3/2013	351	351	349	348	350	350	349	340	351	350	346	341	335	331	328	328	327	324	326	328	325	322	323	325	8,107	5,360	2,747	
9/4/2013	324	64	-2	-2	-2	-2	-2	-2	-2	-2	-1	251	389	156	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	1,127	761	376	
9/5/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/6/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/7/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	-31	-16	
9/8/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-48	
9/10/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/11/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	-31	-16	
9/12/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/13/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/14/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	-32	-15	
9/15/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16	
9/16/2013	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-48	
9/17/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-38	-24	-14	
9/18/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/19/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/20/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/21/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/22/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/23/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24	
9/24/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/25/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/26/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/27/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/28/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/29/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8	
9/30/2013	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24	
																									-18	-8	-8	
																									Total	28,364	5,609	19,755

Hourly Generation Exceeding Plant Capacity of 450

Generation	26,303
Usage	939
Net	25,364

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Project Payment MV90 Hourly

**ARENA GENERATION
2012**

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

April 2012

Energy produced by the project:

Gross Energy	166,648 Kwh
Usage - Current Month	400 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	166,248 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	166,248 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	166,248 Kwh
10 aMW Maximum allowed for the month	7,200,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 75,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	166,248 Kwh
110 % Projects estimated energy deliveries	82,500 Kwh
Current Month Net Energy that is less than 110%	83,748 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	67,500 Kwh
Total Delivered Energy Less Inadvertent	166,248 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 83,748 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	45,543 Kwh
Total Light Load Energy	37,048 Kwh
Total Surplus Energy	83,748 Kwh
Total Delivered Energy Less Inadvertent	166,248 Kwh

Arena Drop
Project Number 21615205
Header # 1124
April 2012

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
4/1/2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4/2/2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4/3/2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10	-8	-2
4/4/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-37	-27	-10
4/5/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/6/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/7/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
4/8/2012	308	308	310	312	316	315	315	315	313	316	315	312	311	307	303	302	332	308	301	298	298	298	302	306	4,112	3,516	596
4/9/2012	298	305	311	320	331	343	348	304	301	242	262	266	288	306	326	333	329	328	330	343	350	348	352	362	7,636	5,014	2,622
4/10/2012	370	375	378	376	378	377	66	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2,282	36	2,246
4/11/2012	-2	-2	-2	-2	-2	-2	105	348	382	377	370	359	341	319	302	288	287	302	319	339	348	358	367	369	5,888	5,144	724
4/12/2012	370	371	371	373	373	373	373	389	353	337	321	314	317	319	314	308	324	316	307	300	301	300	301	302	8,008	5,174	2,834
4/13/2012	303	303	301	302	303	302	303	304	301	289	274	266	268	253	251	243	242	246	248	244	243	242	244	245	6,510	4,207	2,303
4/14/2012	260	251	259	263	264	264	263	234	232	278	302	312	333	344	340	342	342	343	345	345	352	361	367	366	7,353	5,069	2,284
4/15/2012	388	388	369	372	371	370	370	382	359	366	363	371	372	368	365	362	368	365	358	356	356	355	354	354	8,720	0	8,720
4/16/2012	353	352	351	350	349	348	349	338	327	328	328	327	330	335	345	337	342	341	340	338	334	334	333	332	8,140	5,371	2,769
4/17/2012	332	332	332	332	331	333	334	332	331	331	331	331	331	331	331	315	330	335	335	334	334	333	333	333	7,957	5,299	2,658
4/18/2012	332	325	312	298	287	281	277	226	256	291	316	330	333	333	331	328	327	327	328	329	330	331	331	332	7,491	4,993	2,498
4/19/2012	332	332	332	332	332	336	338	336	333	334	335	340	341	342	342	343	353	356	356	356	357	357	357	356	8,227	5,518	2,709
4/20/2012	364	346	327	308	295	288	284	259	244	259	287	273	275	273	267	223	240	247	248	247	243	243	242	244	6,496	4,092	2,494
4/21/2012	244	244	247	245	245	246	246	234	212	213	225	227	223	209	197	197	197	189	200	212	219	223	222	226	5,352	3,433	1,919
4/22/2012	228	228	223	224	227	228	228	141	174	182	201	204	200	193	192	194	208	214	199	192	191	190	191	195	4,856	0	4,856
4/23/2012	203	221	244	262	276	285	291	300	314	313	312	312	310	308	300	286	282	242	257	264	272	280	280	276	6,888	4,841	2,047
4/24/2012	277	277	270	275	280	283	286	279	278	278	281	284	288	284	278	273	273	272	262	265	280	279	272	265	8,540	4,441	2,199
4/25/2012	280	259	269	261	262	263	264	268	281	267	268	275	274	277	275	265	267	267	268	269	271	272	273	272	6,437	4,328	2,109
4/26/2012	272	273	273	273	274	275	275	271	269	269	266	269	269	270	270	270	271	271	271	272	275	276	277	281	8,534	4,336	2,198
4/27/2012	281	280	281	281	284	291	302	218	-2	24	365	400	399	386	397	400	404	403	401	398	397	396	396	396	7,788	5,298	2,490
4/28/2012	395	393	389	389	388	389	385	389	387	375	357	343	331	324	326	326	331	327	329	331	330	327	324	325	8,510	5,518	2,992
4/29/2012	325	324	323	322	323	325	330	297	328	348	368	358	356	358	366	362	353	353	353	352	353	351	353	354	8,203	0	8,203
4/30/2012	352	353	357	360	363	363	363	373	369	401	405	411	408	407	411	422	413	410	409	409	408	407	408	408	9,406	6,446	2,960
	Total																							166,431	91,775	74,556	

Generation	166,848
Usage	217
Net	166,431

Hourly Generation Exceeding Plant Capacity of 450	0
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May 2012

<u>Net Energy Less Inadvertent Energy</u>	
Total Heavy Load Energy	120,468 Kwh
Total Light Load Energy	99,532 Kwh
Total Surplus Energy	16,894 Kwh
Total Delivered Energy Less Inadvertent	<u>238,894 Kwh</u>

Header # 1124

Generation	238,911
Usage	17
Net	<u>238,894</u>

9/5/2012 7:51:43 AM

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

June 2012

Energy produced by the project:

Gross Energy	290,557 Kwh
Usage - Current Month	6 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	290,551 Kwh
Inadvertent Energy - Total Hourly	167 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	290,384 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	290,551 Kwh
10 aMW Maximum allowed for the month	7,200,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	240,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	290,384 Kwh
110 % Projects estimated energy deliveries	264,000 Kwh
Current Month Net Energy that is less than 110%	26,551 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	216,000 Kwh
Total Delivered Energy Less Inadvertent	290,384 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 26,551 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	150,848 Kwh
Total Light Load Energy	113,152 Kwh
Total Surplus Energy	26,551 Kwh
Total Delivered Energy Less Inadvertent	290,384 Kwh

MT

Arena Drop

Project Number 21615205

Header # 1124

Jun-12

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL	
6/1/2012	345	345	347	346	344	345	346	342	327	319	324	329	321	311	304	288	284	292	292	306	317	323	326	325	7,768	6,045	2,723	
6/2/2012	338	349	366	377	384	387	387	407	414	421	428	423	422	418	412	409	409	408	407	408	406	408	408	406	9,596	6,593	3,013	
6/3/2012	486	405	407	409	408	407	408	406	405	408	405	406	408	409	408	410	410	410	410	410	411	411	411	411	9,796	0	9,796	
6/4/2012	412	411	411	411	411	411	410	410	410	409	411	411	411	411	411	411	411	411	410	203	0	245	454	452	451	9,199	5,829	3,370
6/5/2012	419	449	449	448	448	448	448	446	443	443	443	444	444	449	450	448	449	449	398	139	455	455	454	453	10,392	6,794	3,598	
6/6/2012	417	446	446	445	433	437	436	430	433	435	433	427	422	419	419	421	423	423	424	425	428	428	428	427	10,335	6,826	3,509	
6/7/2012	427	428	428	427	427	427	427	427	428	428	410	402	394	388	383	390	331	362	384	370	375	377	377	375	9,585	6,248	3,316	
6/8/2012	373	373	370	371	371	371	371	383	383	383	389	395	398	401	402	401	401	400	398	389	402	403	404	408	9,348	6,309	3,039	
6/9/2012	487	408	408	406	407	407	408	411	414	411	413	415	415	417	416	414	414	414	412	411	410	409	408	408	9,859	6,504	3,265	
6/10/2012	469	410	410	411	411	411	410	409	409	409	410	408	408	408	408	409	409	410	410	410	410	411	411	411	9,827	0	9,827	
6/11/2012	412	412	411	411	410	411	410	409	409	409	408	384	386	375	349	325	337	338	340	341	338	333	331	330	9,029	5,901	3,128	
6/12/2012	332	338	347	357	362	367	371	382	386	388	382	371	359	351	341	303	301	311	318	320	320	314	304	315	8,241	5,516	2,723	
6/13/2012	313	316	318	324	327	329	331	337	351	356	366	401	398	384	382	391	388	388	382	378	377	384	383	381	8,773	6,084	2,689	
6/14/2012	362	388	381	387	388	400	404	382	374	379	382	372	381	379	379	381	380	380	386	387	386	384	383	383	9,251	6,138	3,113	
6/15/2012	382	382	383	382	382	381	381	382	376	396	43	117	463	458	450	445	444	444	443	443	442	442	441	441	9,343	6,169	3,174	
6/16/2012	441	441	441	440	441	440	441	437	432	434	435	435	436	436	436	436	435	436	435	436	436	438	438	438	10,488	6,870	3,518	
6/17/2012	437	437	438	435	435	434	434	435	435	429	458	454	454	449	448	444	449	455	455	454	453	451	451	451	10,671	0	10,671	
6/18/2012	450	451	451	451	452	452	452	450	447	445	447	447	447	447	447	447	447	452	450	446	446	446	446	447	10,761	7,161	3,600	
6/19/2012	446	446	445	443	438	438	437	438	426	423	429	429	428	428	427	428	426	425	426	354	461	461	461	459	10,147	6,571	3,576	
6/20/2012	457	455	455	454	454	453	453	452	449	449	450	447	447	446	445	431	440	442	443	443	445	446	447	447	10,750	7,128	3,622	
6/21/2012	448	446	441	437	434	431	430	412	417	419	416	424	420	417	416	414	413	411	410	410	411	411	412	412	10,111	6,651	3,460	
6/22/2012	412	412	412	411	411	411	413	409	399	389	375	368	366	367	372	374	372	371	368	365	361	363	371	372	9,242	6,030	3,212	
6/23/2012	378	387	387	402	408	407	408	405	404	405	405	404	400	402	405	408	410	411	413	413	413	414	414	415	9,724	6,518	3,206	
6/24/2012	415	415	417	417	417	417	417	415	412	411	412	413	414	415	415	415	415	415	415	415	415	415	415	415	9,957	0	9,957	
6/25/2012	416	415	415	415	416	416	416	414	413	412	412	412	413	415	415	417	420	422	422	422	422	422	422	422	10,006	6,689	3,337	
6/26/2012	421	421	419	419	419	419	419	419	419	420	421	422	423	423	434	435	412	416	415	413	412	412	414	413	10,080	6,715	3,345	
6/27/2012	414	413	412	412	413	415	415	407	400	421	425	419	412	412	413	411	411	411	412	412	412	411	411	410	9,904	6,604	3,300	
6/28/2012	410	410	410	409	409	408	408	407	406	407	408	406	404	406	404	400	398	393	393	392	392	391	390	386	9,645	6,413	3,232	
6/29/2012	385	381	378	371	368	363	363	360	370	381	385	388	395	394	395	395	395	394	398	397	398	398	398	398	9,244	6,204	3,040	
6/30/2012	388	388	389	388	389	389	389	389	384	386	387	398	387	386	385	384	384	385	385	395	395	396	396	396	9,519	6,336	3,183	
Total																									280,551	166,019	124,532	

Hourly Generation Exceeding Plant Capacity of 450

167

Generation	290,557
Usage	6
Net	290,551

7/5/2012 11:31:35 AM

Project Payment MV90 Hourly

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

July 2012

Energy produced by the project:

Gross Energy	325,352 Kwh
Usage - Current Month	13 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	325,339 Kwh
Inadvertent Energy - Total Hourly	1,592 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	323,747 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	325,339 Kwh
10 aMW Maximum allowed for the month	7,440,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	287,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	323,747 Kwh
110 % Projects estimated energy deliveries	315,700 Kwh
Current Month Net Energy that is less than 110%	9,639 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	258,300 Kwh
Total Delivered Energy Less Inadvertent	323,747 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 9,639 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	170,370 Kwh
Total Light Load Energy	145,330 Kwh
Total Surplus Energy	9,639 Kwh
Total Delivered Energy Less Inadvertent	323,747 Kwh

MT

Arena Drop
Project Number 21615205
Header # 1124

Jul-12

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
7/1/2012	397	398	398	398	398	398	398	395	392	391	391	392	392	392	391	393	393	393	393	394	394	395	395	394	9,463	0	9,463
7/2/2012	395	398	396	397	397	397	398	398	398	398	398	-2	48	466	467	467	467	467	468	485	485	484	464	464	9,524	6,218	3,306
7/3/2012	464	464	463	463	463	462	461	461	480	461	461	462	461	457	456	455	454	453	451	450	448	447	447	447	10,971	7,298	3,673
7/4/2012	447	447	447	443	441	441	441	439	441	442	442	442	443	444	447	446	447	447	447	447	448	448	446	446	10,865	0	10,865
7/5/2012	446	445	445	445	445	445	445	443	459	459	468	458	468	457	455	455	454	453	453	453	453	453	453	259	10,849	7,266	3,583
7/6/2012	207	464	464	464	464	463	462	461	463	463	464	464	462	461	461	463	462	462	462	462	462	462	462	462	10,846	7,398	3,450
7/7/2012	462	461	461	461	460	459	459	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457	10,893	7,208	3,686
7/8/2012	460	460	459	459	459	459	459	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	458	10,930	0	10,930
7/9/2012	457	457	457	456	455	455	455	455	454	453	454	454	454	454	454	454	454	454	454	454	454	454	454	454	10,916	7,287	3,629
7/10/2012	443	441	441	441	441	441	442	444	441	441	441	442	443	443	443	443	443	443	443	443	443	443	443	443	10,767	7,214	3,553
7/11/2012	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	452	10,707	7,131	2,817
7/12/2012	449	450	450	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	10,808	7,208	3,601
7/13/2012	448	448	448	448	448	448	448	447	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	10,690	7,116	3,574
7/14/2012	443	444	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	10,703	7,139	3,584
7/15/2012	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	10,728	0	10,728
7/16/2012	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	9,975	6,496	3,480
7/17/2012	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	9,836	6,447	3,188
7/18/2012	399	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	9,592	6,280	3,312
7/19/2012	461	460	459	459	459	459	457	453	453	453	453	452	452	451	451	451	451	451	451	451	451	451	451	451	10,903	7,242	3,661
7/20/2012	451	462	461	461	461	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	10,725	7,138	3,587
7/21/2012	440	440	439	439	439	440	439	439	439	439	438	438	438	438	438	438	438	438	438	438	438	438	438	438	10,526	7,013	3,513
7/22/2012	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437	10,522	0	10,522
7/23/2012	438	437	438	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	10,828	7,115	3,514
7/24/2012	447	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	10,825	7,089	3,558
7/25/2012	440	440	440	440	440	440	440	443	443	443	443	442	442	441	441	441	441	441	441	441	441	441	441	441	10,892	7,160	3,532
7/26/2012	446	447	448	446	446	446	446	443	455	454	454	453	453	453	453	453	453	452	452	452	452	452	452	452	10,815	7,227	3,568
7/27/2012	454	464	453	452	452	451	451	451	450	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	10,819	7,206	3,614
7/28/2012	449	448	448	448	448	448	448	447	441	447	446	445	444	443	442	441	440	439	437	432	432	432	432	432	10,856	7,085	3,671
7/29/2012	438	437	435	433	433	433	428	426	426	425	420	432	431	430	429	428	428	428	428	433	432	429	429	429	10,319	0	10,319
7/30/2012	428	428	427	426	426	425	425	426	431	429	427	428	425	424	424	423	422	422	422	425	425	425	424	424	10,209	6,801	3,408
7/31/2012	424	424	424	423	423	423	423	423	423	423	422	421	434	432	431	429	428	426	425	425	426	426	425	424	10,204	0,814	3,390
Total																									325,338	175,572	140,767

Generation	325,352
Usage	13
Net	325,339

Hourly Generation Exceeding Plant Capacity of 450 1,592

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

August 2012

Energy produced by the project:

Gross Energy	303,159 Kwh
Usage - Current Month	5 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	303,154 Kwh
Inadvertent Energy - Total Hourly	209 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	302,945 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	303,154 Kwh
10 aMW Maximum allowed for the month	7,440,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	277,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	302,945 Kwh
110 % Projects estimated energy deliveries	304,700 Kwh
Current Month Net Energy that is less than 110%	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	249,300 Kwh
Total Delivered Energy Less Inadvertent	302,945 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 0 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	177,208 Kwh
Total Light Load Energy	125,946 Kwh
Total Surplus Energy	0 Kwh
Total Delivered Energy Less Inadvertent	302,945 Kwh

MT

Arena Drop
Project Number 21615205

Header # 1124

Aug-12

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL	
8/1/2012	422	421	421	421	420	420	420	420	428	427	427	428	426	425	425	424	424	424	424	424	424	424	423	423	423	10,164	6,793	3,371
8/2/2012	423	422	422	422	422	422	421	421	422	422	421	421	419	416	416	414	415	428	426	425	425	424	427	429	10,125	6,736	3,389	
8/3/2012	428	428	427	427	427	426	426	426	426	423	423	422	378	-2	403	460	468	466	464	463	462	452	451	451	451	9,974	6,509	3,468
8/4/2012	450	449	449	448	448	447	448	448	448	447	447	447	446	446	446	447	448	448	445	442	442	442	442	442	442	10,708	7,133	3,576
8/5/2012	442	442	443	444	443	444	444	445	445	445	444	444	443	445	445	445	445	449	458	458	458	458	457	456	456	10,742	0	10,742
8/6/2012	455	452	453	452	452	451	451	450	449	449	449	448	448	448	454	457	468	466	466	466	466	466	465	465	465	10,857	7,240	3,617
8/7/2012	448	448	446	438	417	415	418	408	399	400	401	400	400	400	398	408	417	416	416	416	416	415	415	415	415	9,969	8,527	3,442
8/8/2012	416	416	416	416	416	416	416	417	421	420	420	420	420	419	418	416	415	414	421	421	420	421	420	419	419	10,034	8,689	3,335
8/9/2012	418	418	418	417	413	413	413	413	419	418	417	419	419	418	418	417	417	417	416	416	415	415	413	413	413	9,991	8,687	3,324
8/10/2012	413	413	412	409	405	405	405	404	391	-1	336	430	428	425	423	421	421	420	420	419	418	417	417	417	417	9,468	8,177	3,291
8/11/2012	417	415	414	413	407	407	408	412	412	413	411	410	411	413	413	413	413	413	413	413	413	413	412	412	412	9,991	8,594	3,297
8/12/2012	412	413	413	413	413	413	412	410	425	426	428	427	427	427	428	428	428	426	426	425	425	425	425	425	425	10,113	0	10,113
8/13/2012	425	424	424	424	425	425	425	424	429	427	427	425	424	424	423	423	423	421	421	421	421	421	420	421	421	10,161	6,773	3,308
8/14/2012	421	421	421	421	421	421	421	422	427	427	427	425	428	428	428	427	428	425	425	424	424	423	422	421	421	10,178	6,809	3,369
8/15/2012	421	421	421	421	420	420	420	423	427	428	426	425	424	423	415	421	423	423	418	418	417	415	411	403	403	19,078	6,740	3,338
8/16/2012	397	396	396	397	397	398	397	396	407	408	407	406	398	403	398	398	398	397	397	397	397	396	395	395	395	9,568	8,399	3,169
8/17/2012	394	394	393	393	393	391	389	366	375	383	389	390	390	390	389	389	388	386	385	384	384	384	384	383	383	9,286	6,161	3,175
8/18/2012	383	382	382	381	381	381	381	380	397	395	394	394	394	394	394	394	392	382	382	382	382	382	382	382	382	9,283	6,228	3,064
8/19/2012	382	382	382	382	381	381	380	380	382	388	386	385	384	384	384	383	383	382	378	381	381	381	380	379	379	9,189	0	9,189
8/20/2012	378	378	378	378	377	377	377	377	381	243	84	484	482	481	468	458	455	453	452	451	450	450	450	449	449	8,619	6,464	3,165
8/21/2012	449	448	448	447	445	445	446	445	444	447	446	446	446	445	444	444	443	443	433	432	433	433	431	430	430	10,616	7,071	3,548
8/22/2012	429	429	429	429	428	427	427	427	437	436	437	437	437	437	436	436	435	436	436	435	435	434	434	433	433	10,395	6,956	3,439
8/23/2012	434	434	434	435	434	434	435	433	433	433	434	434	434	433	433	432	431	432	432	432	432	432	431	432	432	10,394	6,926	3,468
8/24/2012	431	431	431	431	431	429	429	428	428	422	415	420	425	429	428	427	427	427	423	411	411	411	411	410	410	10,166	6,761	3,406
8/25/2012	410	410	410	410	410	411	410	394	410	410	405	400	392	380	372	368	361	358	356	353	345	347	342	335	335	9,195	6,057	3,138
8/26/2012	335	328	323	314	309	304	295	282	287	279	274	268	262	265	267	264	264	266	292	288	285	284	282	280	280	7,057	0	7,057
8/27/2012	285	297	323	348	365	373	377	383	374	377	377	373	368	358	358	351	349	346	345	352	362	367	371	373	373	8,549	6,814	2,735
8/28/2012	374	376	377	377	378	379	381	381	384	395	397	396	395	393	393	393	394	397	396	394	392	390	388	387	387	9,307	6,271	3,036
8/29/2012	386	387	387	386	386	387	387	387	387	385	383	380	377	378	378	378	380	380	380	389	390	391	391	391	391	9,250	6,149	3,401
8/30/2012	392	393	393	395	396	396	396	395	400	401	400	400	399	399	399	400	399	398	398	398	398	399	399	399	399	9,540	8,378	3,162
8/31/2012	398	399	397	396	396	388	392	391	390	390	389	388	389	389	388	388	388	383	383	381	381	378	374	374	374	9,307	8,185	3,122
Total																									303,184	177,208	126,946	

Hourly Generation Exceeding Plant Capacity of 450

209

Generation

Usage

Net

303,159

5

303,154

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

September 2012

Energy produced by the project:

Gross Energy	248,408 Kwh
Usage - Current Month	2 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	248,406 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	248,406 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	248,406 Kwh
10 aMW Maximum allowed for the month	7,200,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	195,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	248,406 Kwh
110 % Projects estimated energy deliveries	214,500 Kwh
Current Month Net Energy that is less than 110%	33,906 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	175,500 Kwh
Total Delivered Energy Less Inadvertent	248,406 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 33,906 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	114,482 Kwh
Total Light Load Energy	100,018 Kwh
Total Surplus Energy	33,906 Kwh
Total Delivered Energy Less Inadvertent	248,406 Kwh

Arena Drop
Project Number 21615205

Header # 1124

Sep-12

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
9/1/2012	374	375	375	375	375	375	374	378	375	375	374	375	374	375	375	375	375	379	381	382	382	383	383	383	9,046	6,030	3,016
9/2/2012	384	384	384	384	383	383	383	383	381	381	380	381	381	382	382	382	382	382	382	382	382	382	382	383	9,176	0	9,176
9/3/2012	383	383	383	383	382	383	382	382	385	383	378	371	368	363	362	365	367	368	369	369	368	369	369	370	8,984	0	8,984
9/4/2012	372	376	381	380	378	377	377	375	374	366	365	366	364	363	363	358	358	360	360	360	360	360	369	369	8,831	5,831	2,982
9/5/2012	358	368	358	368	368	368	358	358	354	354	351	345	337	329	321	318	313	309	308	305	308	309	311	318	8,080	5,273	2,777
9/6/2012	325	330	335	337	338	338	339	342	337	338	340	343	344	344	336	331	328	324	324	325	327	327	327	328	8,006	5,348	2,658
9/7/2012	329	329	330	329	330	330	331	330	338	341	340	340	337	336	335	335	335	337	343	346	346	346	348	348	8,083	5,414	2,669
9/8/2012	345	345	346	346	346	346	346	346	340	343	344	345	345	344	344	344	341	346	345	346	348	348	348	349	8,284	5,512	2,772
9/9/2012	348	347	347	347	347	347	346	352	353	354	354	354	355	355	355	355	355	356	356	356	355	356	356	356	8,463	0	8,463
9/10/2012	366	355	354	352	352	352	351	350	348	350	355	351	355	355	355	355	352	352	353	353	352	355	354	354	8,473	5,644	2,829
9/11/2012	354	364	353	354	354	355	355	353	353	353	355	351	355	355	355	355	352	352	358	381	382	385	386	387	8,608	5,691	2,917
9/12/2012	387	388	388	388	388	388	388	382	375	381	386	380	381	380	381	388	384	383	384	384	386	388	380	380	9,350	6,181	3,169
9/13/2012	390	390	391	389	388	387	388	385	401	404	398	381	386	383	383	383	383	384	387	389	389	389	388	387	9,341	6,231	3,110
9/14/2012	387	387	387	387	388	389	390	382	390	394	395	385	387	389	400	399	400	398	387	393	382	382	384	384	9,436	6,323	3,113
9/15/2012	384	381	383	373	381	347	341	330	322	313	311	315	319	322	323	323	321	321	329	337	336	339	340	344	8,135	5,202	2,933
9/16/2012	345	348	349	350	351	351	352	351	346	341	342	342	343	341	340	338	335	329	325	320	321	328	327	331	8,144	0	8,144
9/17/2012	332	337	338	341	340	342	343	332	358	369	411	417	417	418	425	424	424	423	420	420	419	417	417	417	9,319	6,457	2,862
9/18/2012	416	417	405	400	386	377	372	372	373	373	375	377	380	384	386	386	358	375	381	382	383	384	384	384	9,210	6,041	3,169
9/19/2012	385	384	384	383	381	381	380	382	370	382	386	382	378	376	371	370	371	370	369	370	372	369	386	364	8,095	5,977	3,028
9/20/2012	356	348	348	339	330	325	319	329	356	358	364	382	358	354	350	345	342	340	338	331	327	321	316	313	8,140	5,492	2,648
9/21/2012	311	307	307	310	310	310	312	318	331	340	349	357	383	366	368	371	373	376	378	380	381	383	383	383	8,367	5,746	2,621
9/22/2012	383	383	381	380	379	375	374	381	388	381	390	391	389	386	383	382	380	379	376	374	384	359	357	353	9,078	6,087	2,991
9/23/2012	352	353	353	352	353	355	355	356	368	345	344	340	338	332	327	328	331	330	330	333	333	333	332	330	8,194	0	8,194
9/24/2012	328	331	332	334	336	335	336	357	354	350	346	346	344	341	343	329	330	338	341	343	339	334	327	325	8,121	6,473	2,648
9/25/2012	325	327	326	327	328	330	330	321	316	314	314	307	303	286	283	283	282	290	289	291	291	293	293	298	7,387	4,933	2,454
9/26/2012	300	302	303	305	305	304	302	289	283	284	282	278	275	271	269	236	239	247	252	254	255	256	281	284	6,938	4,282	2,654
9/27/2012	264	268	269	270	272	273	274	243	256	258	262	264	268	273	275	276	273	270	267	271	276	278	277	279	8,456	4,284	2,172
9/28/2012	280	277	278	281	280	281	281	279	274	272	274	279	286	287	286	287	287	285	303	310	310	313	313	313	6,926	4,623	2,303
9/29/2012	313	313	312	312	311	308	308	310	307	286	282	276	274	278	279	284	265	268	283	282	283	282	280	277	7,919	4,593	2,426
9/30/2012	278	278	276	272	270	266	267	267	263	262	261	257	254	245	245	245	244	243	241	246	245	244	248	245	6,158	0	6,158
Total																									248,406	132,578	118,828

Generation	248,408
Usage	2
Net	248,406

Hourly Generation Exceeding Plant Capacity of 450 0

Calculation of Capacity and Energy Payment

Riverside Investments, LLC

Arena Drop

Project Number: 21615205

October 2012

Energy produced by the project:

Gross Energy	63,489 Kwh
Usage - Current Month	769 Kwh
Losses - Current Month	0 Kwh
Prior Period Adjustment	0 Kwh
Total Delivered Energy	62,720 Kwh
Inadvertent Energy - Total Hourly	0 Kwh
Inadvertent Energy - Total Monthly	0 Kwh
Total Delivered Energy Less Inadvertent	62,720 Kwh

Monthly Inadvertent Energy Calculation

Total Delivered Energy	62,720 Kwh
10 aMW Maximum allowed for the month	7,440,000 Kwh
Inadvertent energy - Total Monthly	0 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	55,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Total Delivered Energy Less Inadvertent	62,720 Kwh
110 % Projects estimated energy deliveries	60,500 Kwh
Current Month Net Energy that is less than 110%	2,220 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	49,500 Kwh
Total Delivered Energy Less Inadvertent	62,720 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 2,220 Kwh

Net Energy Less Inadvertent Energy

Total Heavy Load Energy	34,249 Kwh
Total Light Load Energy	26,251 Kwh
Total Surplus Energy	2,220 Kwh
Total Delivered Energy Less Inadvertent	62,720 Kwh

Arena Drop
Project Number 21615205
Header # 1124

Oct-12

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
10/1/2012	245	248	251	257	261	266	270	274	285	288	294	291	288	280	276	275	273	287	281	281	258	258	269	280	6,448	4,398	2,047
10/2/2012	259	260	263	268	270	275	279	275	281	285	287	281	278	272	268	268	266	266	265	268	268	268	267	264	6,493	4,369	2,124
10/3/2012	262	262	264	262	266	270	272	273	286	293	300	302	297	298	294	293	295	296	304	310	314	314	314	314	6,954	4,758	2,216
10/4/2012	314	316	318	319	323	325	326	339	322	324	328	349	334	326	320	317	317	316	319	326	328	325	326	324	7,783	5,218	2,566
10/5/2012	323	326	327	332	334	337	337	344	348	358	360	362	363	365	367	363	365	363	363	364	363	363	362	362	8,631	6,869	2,762
10/6/2012	361	361	361	361	361	361	361	361	362	362	361	360	358	357	354	352	351	350	349	348	348	349	350	351	8,704	6,717	2,987
10/7/2012	351	351	351	351	351	351	352	352	353	353	353	354	353	352	352	352	352	351	351	350	348	350	351	351	8,437	0	8,437
10/8/2012	352	352	351	351	349	350	348	342	340	343	339	329	322	318	311	310	307	305	301	300	299	297	296	294	7,805	5,110	2,695
10/9/2012	283	292	287	285	283	281	278	237	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2,205	488	1,717
10/10/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
10/11/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
10/12/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-40	-25	-15
10/13/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-46	-30	-16
10/14/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	0	-47
10/15/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
10/16/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	-31	-16
10/17/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
10/18/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	-32	-16
10/19/2012	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-31	-17	-14
10/20/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/21/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
10/22/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-22	-14	-8
10/23/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/24/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/25/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/26/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/27/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/28/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-24
10/29/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/30/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
10/31/2012	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-16	-8
																									Total	36,508	27,214

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	63,489
Usage	769
Net	62,720

**ARENA GENERATION
2011**

Arena Drop
Arena Drop Project
Project # 21815205
April 2011

<u>Energy produced by the project:</u>	
Gross Energy	90,464 Kwh
Usage	973 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	89,491 Kwh

<u>Inadvertent Energy Calculation:</u>	
Total Energy delivered to Idaho Power	89,491 Kwh
10 aMW Maximum allowed for the month (Kwh)	7,200,000 Kwh
Inadvertent energy	0 Kwh

<u>Net Energy</u>	
Total Heavy Load Energy	31,298 Kwh
Total Light Load Energy	23,704 Kwh
Total Surplus Energy	34,491 Kwh
Total Energy delivered to Idaho Power	89,491 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	89,491 Kwh

<u>Surplus Energy Calculation</u>	
Projects estimated energy deliveries	50,000 Kwh
<u>Net Energy delivered to Idaho Power that exceeds 110 %</u>	
Current Month Net Energy delivered to Idaho Power	89,491 Kwh
110% Projects estimated energy deliveries	55,000 Kwh
	34,491 Kwh
<u>Net Energy delivered to Idaho Power that is less than 90 %</u>	
90% Projects estimated energy deliveries	45,000 Kwh
Current Month Net Energy delivered to Idaho Power	89,491 Kwh
Current Month Net Energy that is less than 90%	0 Kwh
Total Surplus Energy	34,491 Kwh

Idaho Power Company
Cogeneration and Small Power Production

Arena Drop
Project #21615205

April 2011
Header # 1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DST	HL	LL
Day 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 14	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10	0	(8)	(2)
Day 15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 16	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 17	271	270	268	269	265	263	268	265	251	248	260	255	254	253	252	249	231	246	257	262	264	263	267	269	2,385	0	1,855	530
Day 18	236	236	237	239	242	241	240	197	167	177	183	189	188	189	207	208	172	192	244	244	244	242	239	238	6,075	0	-	6,075
Day 19	257	273	282	304	311	315	318	298	263	232	215	219	219	218	217	211	210	211	211	228	245	254	259	254	6,153	0	3,209	1,944
Day 20	242	235	228	221	222	220	223	226	242	259	271	282	268	259	253	265	287	285	274	274	279	286	281	223	5,895	0	3,683	2,212
Day 21	269	303	311	320	332	340	344	345	341	274	232	230	289	307	305	281	283	284	282	267	263	289	300	298	6,175	0	4,223	1,952
Day 22	281	261	243	235	228	227	226	225	224	221	221	227	235	242	248	248	246	242	245	250	250	250	248	248	7,200	0	4,898	2,504
Day 23	248	247	246	243	241	240	239	261	259	262	267	275	279	276	251	248	249	255	258	260	261	263	264	264	5,772	0	3,800	1,972
Day 24	285	285	286	287	285	286	286	266	290	288	288	286	286	288	288	289	288	287	286	284	285	286	285	287	6,717	0	-	6,717
Day 25	267	287	287	286	285	286	286	288	278	277	267	268	268	268	249	246	232	239	241	248	255	259	257	254	6,344	0	4,114	2,230
Day 26	258	254	252	251	247	243	242	245	217	209	209	218	255	252	246	241	238	238	242	245	243	246	245	245	5,779	0	3,786	1,883
Day 27	245	244	243	241	241	241	242	246	278	285	238	224	234	235	234	232	224	219	220	224	225	226	227	222	5,670	0	3,786	1,904
Day 28	220	220	220	225	228	226	225	225	218	220	231	252	268	282	289	287	287	284	283	291	291	292	294	294	6,191	0	4,268	1,925
Day 29	285	296	287	284	283	285	286	289	0	235	351	346	347	347	347	346	341	340	338	339	339	338	338	337	7,334	0	4,929	2,405
Day 30	335	334	334	332	332	331	331	331	316	319	318	322	320	315	312	301	285	282	285	302	308	308	310	310	7,600	0	4,982	2,618
																									0			
																									90,388		51,432	38,958

Hourly Generation Exceeding 450 Kwh

Generation	90,464
Usage	76
	90,388

Energy produced by the project:

Gross Energy	235,605 Kwh
Usage	5 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	235,600 Kwh

Inadvertent Energy Calculation

Total Energy delivered to Idaho Power	235,600 Kwh
10 aMW Maximum allowed for the month (Kwh)	7,440,000 Kwh
Inadvertent energy	0 Kwh

Net Energy

Total Heavy Load Energy	73,280 Kwh
Total Light Load Energy	64,220 Kwh
Total Surplus Energy	98,100 Kwh
Total Energy delivered to Idaho Power	235,600 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	235,600 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 125,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Current Month Net Energy delivered to Idaho Power	235,600 Kwh
110% Projects estimated energy deliveries	137,500 Kwh

98,100 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	112,500 Kwh
Current Month Net Energy delivered to Idaho Power	235,600 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy 98,100 Kwh

Idaho Power Company
Cogeneration and Small Power Production

Arena Drop
Project #21615205

May 2011
Header #1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DSI	HL	LL	
Day 1	310	308	308	309	309	310	310	307	302	296	301	310	315	317	319	320	317	313	315	316	317	319	320	320	320	7,489	0	-	7,489
Day 2	320	320	321	321	322	322	322	216	232	250	289	288	308	316	334	341	342	325	333	336	328	333	336	336	336	7,530	0	4,932	2,598
Day 3	336	336	336	336	335	334	333	319	278	256	252	256	252	251	250	249	249	287	282	278	279	271	263	257	257	6,882	0	4,348	2,533
Day 4	268	268	281	288	308	315	318	320	316	320	319	317	316	316	315	309	306	304	304	304	305	306	307	308	308	7,335	0	4,986	2,339
Day 5	308	309	309	310	310	310	310	305	295	288	283	282	284	284	284	284	280	300	305	305	305	304	304	303	303	7,352	0	4,788	2,463
Day 6	303	304	305	304	305	306	305	303	291	291	278	287	282	280	266	252	247	248	252	258	268	282	262	264	264	6,855	0	4,302	2,353
Day 7	266	272	276	278	281	282	283	284	283	288	287	301	300	299	297	296	296	287	296	294	295	284	284	292	292	6,941	0	4,899	2,242
Day 8	283	293	292	294	293	295	296	295	296	300	302	300	301	302	302	300	299	289	296	296	298	289	289	289	289	7,139	0	-	7,139
Day 9	289	289	289	298	298	298	298	280	292	286	288	298	287	285	287	311	312	313	313	314	314	314	314	314	314	7,281	0	4,843	2,161
Day 10	313	314	314	314	314	315	314	307	301	301	297	297	297	297	297	298	299	300	300	300	299	300	298	298	298	7,286	0	4,807	2,161
Day 11	299	300	299	299	298	298	298	297	295	295	300	300	300	300	292	20	50	300	283	292	294	296	301	305	307	6,628	0	4,223	2,161
Day 12	313	328	346	357	364	368	370	360	364	371	365	359	358	353	348	353	362	348	346	346	343	343	343	343	342	8,437	0	5,678	2,731
Day 13	343	343	344	344	344	342	341	336	336	334	334	334	334	334	334	334	334	335	335	336	336	336	336	336	336	8,095	0	5,364	2,731
Day 14	337	337	337	337	337	338	338	336	334	334	334	334	334	334	335	335	334	334	334	334	335	335	334	334	334	8,045	0	5,364	2,681
Day 15	334	334	334	336	336	335	336	335	335	335	335	335	335	335	335	335	335	335	335	335	337	337	337	337	337	8,044	0	-	8,044
Day 16	337	337	337	336	336	335	336	336	351	345	345	345	345	345	344	342	342	342	340	350	350	352	352	352	352	8,105	0	5,384	2,721
Day 17	353	353	353	353	351	351	351	358	356	342	341	341	341	342	342	342	340	339	335	337	338	338	337	336	342	8,332	0	5,532	2,800
Day 18	340	341	341	340	340	341	338	340	342	341	341	341	342	342	344	344	344	342	342	344	344	344	344	342	342	8,148	0	5,433	2,716
Day 19	337	336	337	335	334	334	336	335	335	335	335	335	335	335	333	334	334	334	336	335	335	336	337	336	342	8,036	0	5,354	2,682
Day 20	336	336	336	335	335	335	335	332	329	332	334	333	332	330	329	329	328	328	320	320	319	319	318	318	318	7,889	0	5,242	2,847
Day 21	317	317	317	318	318	320	323	289	308	313	318	318	313	303	299	291	283	280	285	292	295	295	296	297	297	7,305	0	4,804	2,501
Day 22	286	286	297	296	298	299	302	288	290	281	280	279	281	282	279	277	272	270	268	271	284	302	280	281	281	6,869	0	-	6,869
Day 23	280	282	316	327	330	333	336	330	318	320	319	318	316	316	315	315	314	314	314	308	310	312	312	311	311	7,576	0	5,075	2,501
Day 24	311	315	314	315	315	315	313	302	302	301	302	302	301	298	297	297	298	298	299	300	301	301	301	302	302	7,300	0	4,812	2,488
Day 25	302	305	307	307	308	308	308	302	302	303	303	302	301	301	300	301	302	302	302	302	303	304	304	304	304	7,283	0	4,838	2,445
Day 26	304	305	305	305	305	305	305	302	302	303	303	303	303	303	301	299	299	299	298	300	300	303	304	304	304	7,281	0	4,824	2,437
Day 27	304	304	304	304	304	305	305	304	304	304	16	285	369	367	369	370	371	369	369	368	368	370	371	370	370	7,775	0	5,209	2,566
Day 28	368	367	368	366	360	358	355	360	370	369	363	364	363	363	363	363	363	362	362	362	362	362	361	361	361	8,172	0	5,806	2,908
Day 29	360	360	359	359	359	360	360	357	356	355	355	355	354	350	348	348	348	348	347	347	347	347	347	347	347	8,474	0	-	8,474
Day 30	346	346	346	346	346	346	346	343	343	343	344	345	340	340	338	256	296	314	321	328	329	329	331	331	331	7,981	0	-	7,981
Day 31	331	332	332	332	334	334	333	333	333	331	325	320	313	311	309	308	308	278	264	274	286	298	289	304	310	7,524	0	4,915	2,608
																										235,600		125,662	110,038

Generation	235,605
Usage	6
	235,600

Hourly Generation Exceeding 450 Kwh 0

Arena Drop
Arena Drop Project
Project # 21815205
June 2011

Energy produced by the project:

Gross Energy	233,103 Kwh
Usage	68 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	233,035 Kwh

Inadvertent Energy Calculation

Total Energy delivered to Idaho Power	233,035 Kwh
10 aMW Maximum allowed for the month (Kwh)	7,200,000 Kwh
Inadvertent energy	0 Kwh

Net Energy

Total Heavy Load Energy	133,357 Kwh
Total Light Load Energy	99,678 Kwh
Total Surplus Energy	0 Kwh
Total Energy delivered to Idaho Power	233,035 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	233,035 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	250,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Current Month Net Energy delivered to Idaho Power	233,035 Kwh
110% Projects estimated energy deliveries	275,000 Kwh
	0 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	225,000 Kwh
Current Month Net Energy delivered to Idaho Power	233,035 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy	0 Kwh
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Idaho Power Company

Cogeneration and Small Power Production

Arena Drop
Project #21615205

June 2011
Header #1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DST	HL	LL	
Day 1	311	312	312	312	314	317	318	318	321	327	330	329	327	323	318	316	313	313	309	308	309	302	300	304	308	7,558	0	5,088	2,480
Day 2	312	314	315	315	317	317	318	291	288	278	285	284	239	236	234	238	235	240	248	256	280	278	276	258	259	6,544	0	4,137	2,407
Day 3	280	274	287	287	328	333	335	330	324	314	303	301	288	289	289	294	285	278	276	277	277	278	281	283	283	7,143	0	4,770	2,373
Day 4	283	282	283	283	285	288	288	280	284	252	256	268	262	262	262	264	264	261	262	259	259	258	258	260	260	6,415	0	4,191	2,224
Day 5	281	280	262	262	263	263	265	282	266	260	267	274	279	276	274	273	271	272	272	272	269	262	258	257	256	6,375	0	-	6,375
Day 6	283	284	309	321	325	322	320	315	303	283	285	313	247	-2	109	346	341	339	338	337	337	331	338	338	338	7,080	0	4,582	2,498
Day 7	335	333	332	334	333	333	337	332	312	313	314	314	311	310	310	311	311	311	311	311	312	312	313	312	313	7,649	0	5,024	2,625
Day 8	332	332	331	332	331	331	329	326	326	326	328	326	325	325	323	323	325	352	352	346	346	341	332	334	332	7,641	0	5,088	2,544
Day 9	332	332	331	332	332	332	323	319	317	317	318	318	317	317	317	317	317	317	317	317	318	318	318	317	314	7,660	0	5,207	2,507
Day 10	326	325	324	324	322	323	323	323	319	278	258	238	223	211	206	202	202	203	201	210	210	214	220	228	231	6,088	0	5,085	2,507
Day 11	314	311	317	314	312	309	308	274	281	278	258	238	223	211	206	202	202	203	201	210	214	220	228	231	231	6,088	0	5,085	2,507
Day 12	234	237	235	234	237	237	238	237	242	260	260	268	255	255	252	251	251	249	248	248	245	245	247	247	245	6,900	0	3,730	2,507
Day 13	247	245	251	251	256	258	280	221	216	252	293	309	312	311	310	307	300	297	298	288	269	273	273	275	275	6,893	0	4,586	2,107
Day 14	303	305	308	310	314	316	316	308	289	300	303	301	298	296	292	283	277	271	287	288	266	269	273	273	275	7,015	0	4,612	2,403
Day 15	277	273	283	280	294	298	298	283	287	283	161	-2	-2	-2	167	313	330	334	334	334	335	335	335	335	338	8,185	0	3,769	2,386
Day 16	344	348	350	356	354	355	354	346	349	355	359	365	362	358	360	376	369	368	358	359	360	359	360	360	360	8,137	0	5,749	2,827
Day 17	361	362	363	365	366	366	367	364	363	360	364	366	367	365	365	363	379	388	388	389	388	388	388	388	388	8,137	0	6,176	2,861
Day 18	368	368	367	368	365	364	363	360	370	363	351	340	334	330	329	329	330	331	331	335	335	338	347	349	349	8,881	0	5,509	3,014
Day 19	357	385	372	377	380	381	380	379	378	378	375	375	376	378	375	374	372	373	373	374	372	372	373	373	373	8,881	0	5,962	2,929
Day 20	387	383	383	385	386	384	385	359	363	365	367	367	367	367	368	368	376	397	385	385	385	388	388	388	388	8,891	0	5,962	2,929
Day 21	388	388	388	387	387	387	386	376	388	387	386	386	386	372	-2	75	438	429	400	398	388	385	385	387	388	9,864	0	8,520	3,344
Day 22	429	429	429	429	428	427	426	423	421	418	418	415	415	413	408	404	402	400	399	398	385	385	387	388	388	9,864	0	8,520	3,344
Day 23	386	386	386	387	387	387	386	376	388	387	386	386	386	372	-2	377	375	372	373	371	388	386	385	385	385	9,223	0	6,322	2,901
Day 24	365	363	362	362	360	360	359	354	350	116	-2	-2	-2	-2	377	375	372	373	373	371	388	386	385	385	385	9,223	0	6,322	2,901
Day 25	-2	-2	-2	-2	418	419	418	412	381	130	433	431	429	428	427	427	423	422	421	420	421	422	423	424	424	5,634	0	4,788	2,167
Day 26	424	424	424	421	418	419	418	412	381	391	391	392	392	396	400	400	400	400	400	400	401	401	401	401	401	9,717	0	6,590	3,344
Day 27	401	400	400	400	400	400	399	399	398	399	400	400	400	402	418	427	426	426	425	395	400	401	403	402	402	9,834	0	6,373	3,244
Day 28	418	420	420	419	419	419	411	403	407	401	400	400	400	398	397	397	387	394	394	373	395	400	401	403	402	9,834	0	6,373	3,244
Day 29	404	402	402	401	401	400	401	391	389	389	389	386	384	384	384	383	382	384	388	388	388	388	387	387	387	9,463	0	6,258	3,204
Day 30	386	386	385	386	388	386	385	385	385	386	386	395	385	386	386	386	386	386	386	386	386	386	385	385	385	9,466	0	6,330	3,166
																									0				
																									233,035		133,357	99,678	

Hourly Generation Exceeding 450 Kwh

0

Generation
Usage

233,103
88
233,035

Arena Drop
Arena Drop Project
Project # 21815205
August 2011

Energy produced by the project:

Gross Energy	300,443 Kwh
Usage	4 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	300,439 Kwh

Inadvertent Energy Calculation

Total Energy delivered to Idaho Power	300,439 Kwh
10 aMW Maximum allowed for the month (Kwh)	7,440,000 Kwh
Inadvertent energy	0 Kwh

Net Energy

Total Heavy Load Energy	188,181 Kwh
Total Light Load Energy	122,319 Kwh
Total Surplus Energy	8,939 Kwh
Total Energy delivered to Idaho Power	300,439 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	300,439 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries 285,000 Kwh

Net Energy delivered to Idaho Power that exceeds 110 %

Current Month Net Energy delivered to Idaho Power	300,439 Kwh
110% Projects estimated energy deliveries	291,500 Kwh

8,939 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	238,500 Kwh
Current Month Net Energy delivered to Idaho Power	300,439 Kwh

0 Kwh

Total Surplus Energy

8,939 Kwh

Idaho Power Company
Cogeneration and Small Power Production

Arena Drop
Project #21615205

August 2011
Header # 1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DSI	HL	LL	
Day 1	414	413	413	412	412	412	412	404	389	389	389	389	388	387	404	389	417	417	418	418	418	417	417	417	416	9,809	0	6,500	3,309
Day 2	416	416	415	414	415	415	414	411	411	412	412	412	412	412	412	411	412	424	423	422	422	422	422	422	422	9,978	0	6,643	3,335
Day 3	422	422	422	422	422	421	420	420	383	422	420	420	419	418	418	418	418	418	418	417	417	416	416	416	416	10,034	0	6,671	3,363
Day 4	416	416	416	415	415	415	414	414	414	414	414	414	414	414	413	412	411	411	411	411	410	410	410	410	410	9,812	0	6,600	3,312
Day 5	410	410	409	408	409	408	408	407	407	407	384	422	422	376	422	422	421	421	421	421	420	418	420	420	420	9,903	0	6,609	3,294
Day 6	420	420	421	421	420	420	420	421	421	421	421	227	436	435	435	434	434	434	434	434	433	433	433	432	10,059	0	6,672	3,387	
Day 7	432	432	432	432	432	431	431	428	428	428	428	428	428	424	424	424	424	424	423	423	423	423	423	423	10,244	0	-	10,244	
Day 8	423	422	422	422	415	415	416	415	415	415	415	415	415	415	416	416	416	416	415	415	417	417	417	416	10,983	0	6,850	3,343	
Day 9	416	415	415	414	413	413	413	412	411	411	430	430	429	428	428	428	428	428	427	427	425	426	426	425	10,138	0	6,801	3,309	
Day 10	425	424	424	424	424	424	424	423	422	422	422	422	417	430	429	428	428	428	427	427	426	426	426	426	10,192	0	6,796	-	
Day 11	425	425	425	424	424	424	423	415	432	431	430	430	428	428	428	428	428	428	427	427	426	426	426	426	10,231	0	6,833	3,353	
Day 12	426	426	424	424	424	424	424	421	428	429	429	429	428	428	428	428	427	427	428	428	427	425	425	426	10,234	0	6,833	3,401	
Day 13	426	426	426	426	426	426	426	425	424	424	424	424	424	424	424	424	428	427	427	427	427	427	427	427	10,214	0	6,804	3,410	
Day 14	426	427	427	427	426	427	428	426	427	426	426	426	426	426	426	426	426	426	426	426	427	427	427	427	10,233	0	-	10,233	
Day 15	427	427	427	426	426	426	426	425	424	424	424	424	424	424	420	403	417	407	387	384	388	383	395	397	9,844	0	6,583	3,351	
Day 16	396	397	398	399	398	398	399	387	408	416	416	416	416	414	410	416	418	416	416	416	410	416	414	412	9,821	0	6,609	3,212	
Day 17	412	412	408	407	406	406	405	397	410	410	416	416	415	414	413	413	413	412	412	411	411	410	408	406	9,837	0	6,572	3,265	
Day 18	403	404	403	403	402	402	401	409	412	411	410	410	409	409	409	409	408	398	375	359	381	382	383	383	383	9,483	0	6,350	3,143
Day 19	382	380	380	380	359	358	358	374	382	405	402	303	-2	262	421	422	428	415	389	383	379	379	379	379	379	8,606	0	5,681	2,917
Day 20	380	380	380	377	386	383	382	388	381	373	385	380	356	353	353	354	355	355	358	358	359	360	361	362	362	8,769	0	5,789	3,010
Day 21	382	381	381	380	380	380	380	358	357	358	361	381	360	361	361	360	359	358	358	358	358	357	358	360	8,627	0	-	8,627	
Day 22	380	383	385	387	389	371	371	376	386	389	408	400	388	379	374	384	360	358	358	358	354	353	355	356	356	8,898	0	5,991	2,907
Day 23	367	357	358	358	359	359	359	348	343	344	324	328	327	329	330	338	338	341	343	345	347	348	348	348	348	8,277	0	5,432	2,845
Day 24	351	357	366	374	380	381	379	374	377	379	379	376	376	375	374	375	378	379	383	386	387	388	389	391	9,054	0	6,065	2,989	
Day 25	391	391	391	391	391	390	389	391	404	408	408	408	408	406	405	404	389	406	406	406	410	412	414	414	414	9,643	0	6,470	3,173
Day 26	414	414	414	414	415	415	414	407	401	401	401	401	400	400	398	398	398	398	392	389	389	389	389	389	389	9,642	0	6,377	3,265
Day 27	391	391	388	386	381	382	392	393	383	380	389	388	388	388	388	388	388	388	387	387	388	389	389	391	9,335	0	6,216	3,119	
Day 28	391	392	393	394	394	394	394	394	404	408	408	405	405	405	404	405	405	405	405	405	405	405	408	407	9,629	0	-	9,629	
Day 29	408	408	407	407	408	407	407	409	412	411	408	407	418	420	420	420	420	420	420	420	420	420	420	420	420	9,937	0	6,654	3,283
Day 30	420	420	420	420	420	420	419	417	416	416	416	416	416	416	416	416	416	416	417	417	417	417	417	416	10,017	0	6,684	3,353	
Day 31	416	413	406	407	407	408	406	406	406	408	405	405	406	406	404	413	411	409	408	408	398	389	384	381	9,704	0	6,484	3,220	
																									300,439		174,369	126,070	

Generation	300,443
Usage	4
	300,439

Hourly Generation Exceeding 450 Kwh 0

Arena Drop
Arena Drop Project
Project # 21615205
September 2011

<u>Energy produced by the project:</u>	
Gross Energy	233,936 Kwh
Usage	3 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	233,933 Kwh

<u>Inadvertent Energy Calculation</u>	
Total Energy delivered to Idaho Power	233,933 Kwh
10 aMW Maximum allowed for the month (Kwh)	7,200,000 Kwh
Inadvertent energy	0 Kwh

<u>Net Energy</u>	
Total Heavy Load Energy	106,675 Kwh
Total Light Load Energy	86,825 Kwh
Total Surplus Energy	41,433 Kwh
Total Energy delivered to Idaho Power	233,933 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	233,933 Kwh

<u>Surplus Energy Calculation</u>	
Projects estimated energy deliveries	175,000 Kwh
<u>Net Energy delivered to Idaho Power that exceeds 110 %</u>	
Current Month Net Energy delivered to Idaho Power	233,933 Kwh
110% Projects estimated energy deliveries	192,500 Kwh
	41,433 Kwh
<u>Net Energy delivered to Idaho Power that is less than 90 %</u>	
90% Projects estimated energy deliveries	157,500 Kwh
Current Month Net Energy delivered to Idaho Power	233,933 Kwh
Current Month Net Energy that is less than 90%	0 Kwh
Total Surplus Energy	41,433 Kwh

Arena Drop

Project Number 21615205

Header # 1124

September 2011

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	HL	LL
9/20/2011	329	328	0	330	332	331	333	332	332	332	329	327	343	359	386	368	368	368	369	372	374	378	381	384	8,489	5,740	2,749
9/21/2011	377	375	0	374	373	374	374	374	376	374	374	372	372	372	372	371	371	370	370	370	371	371	369	369	8,932	5,947	2,985
9/24/2011	323	318	0	316	312	309	307	306	331	348	356	342	327	321	314	311	284	261	264	282	292	301	304	308	7,492	4,997	2,495
9/4/2011	391	391	0	391	390	389	389	389	390	390	389	389	389	385	384	384	385	383	382	382	382	382	383	383	9,280	0	9,280
9/23/2011	312	313	0	313	314	314	315	317	301	303	312	313	313	312	315	314	312	315	317	316	318	320	323	324	7,535	5,007	2,528
9/26/2011	297	298	0	297	294	294	295	292	265	255	242	233	227	228	228	234	239	244	251	258	259	260	262	261	5,256	3,956	2,298
9/29/2011	289	292	0	290	289	289	285	285	284	285	285	275	265	255	250	250	251	244	249	248	245	244	243	242	8,427	4,208	4,219
9/12/2011	356	358	0	356	355	356	356	356	340	304	319	285	274	261	248	203	223	229	236	241	243	245	245	250	6,971	4,341	2,630
9/15/2011	359	360	0	359	361	362	363	362	350	371	369	365	365	364	364	364	364	364	364	363	363	363	363	363	8,708	5,819	2,889
9/27/2011	261	268	0	262	261	261	260	261	264	270	266	299	305	305	301	298	298	301	305	309	313	316	315	313	8,928	4,738	2,191
9/30/2011	240	238	0	233	234	228	225	225	225	227	236	247	252	256	269	271	271	271	265	255	247	241	237	236	5,898	4,026	1,872
9/3/2011	384	393	0	393	393	394	394	393	392	393	391	391	391	391	391	391	392	392	392	392	392	392	391	391	9,412	6,268	3,143
9/6/2011	364	364	0	362	362	363	363	364	331	321	318	323	324	316	308	307	313	324	325	329	335	336	335	337	8,040	5,190	2,850
9/9/2011	365	365	0	366	365	363	363	363	381	378	365	371	370	368	365	364	365	367	369	369	369	368	370	370	8,808	5,881	2,927
9/12/2011	368	367	0	367	368	367	367	368	382	384	384	385	383	383	387	382	381	383	384	395	395	394	394	394	9,098	6,108	2,990
9/15/2011	382	384	0	384	384	383	384	389	389	389	390	385	382	379	373	368	364	364	364	365	384	363	365	366	9,050	0	9,050
9/17/2011	348	364	0	380	385	387	388	388	394	371	371	371	369	371	370	368	364	364	382	381	363	364	365	365	8,891	5,909	2,982
9/10/2011	370	369	0	366	370	369	368	368	369	370	370	369	360	357	358	355	352	352	348	347	348	349	351	352	8,635	5,720	2,915
9/13/2011	257	274	0	296	310	320	328	329	361	352	352	350	348	344	341	341	339	338	342	345	347	346	345	345	7,984	5,621	2,473
9/18/2011	258	258	0	257	257	255	255	254	253	255	255	256	257	255	253	249	248	244	243	244	255	269	280	287	6,162	0	6,162
9/21/2011	386	381	0	367	342	316	300	292	232	250	263	273	255	227	217	201	222	225	236	241	249	249	247	249	6,442	3,864	2,588
9/28/2011	303	279	0	265	238	228	224	218	252	289	305	311	306	289	283	275	272	275	279	281	284	285	288	287	6,603	4,501	2,102
9/8/2011	366	365	0	365	365	365	365	365	384	373	373	372	370	363	364	361	359	359	359	361	362	363	364	364	8,758	5,840	2,918
9/11/2011	352	352	0	352	352	353	353	353	354	354	354	356	356	357	357	356	357	357	357	358	359	358	358	358	8,530	0	8,530
9/14/2011	344	344	0	345	346	345	347	349	354	359	358	356	356	357	356	352	353	357	358	358	359	359	359	359	8,476	5,887	2,591
9/17/2011	354	354	0	347	345	335	326	322	342	331	312	297	290	283	277	276	281	174	224	250	259	262	259	258	7,039	4,481	2,578
9/16/2011	363	362	0	362	361	361	356	359	356	344	344	342	341	340	354	355	355	355	354	355	355	354	355	355	8,482	5,807	2,675
9/19/2011	292	293	0	292	291	293	292	292	308	308	306	160	-2	276	338	336	313	311	312	317	321	324	330	329	6,969	4,557	2,412
9/22/2011	249	252	0	250	251	250	252	252	260	279	284	280	299	298	285	286	285	277	279	284	287	288	305	308	6,661	4,534	2,117
9/25/2011	307	307	0	307	306	306	306	306	307	303	286	280	256	246	261	267	271	280	288	300	299	300	299	299	6,985	0	6,985
																									233,933	128,420	105,513

Hourly Generation Exceeding Plant Capacity of 450

0

Generation	233,936
Usage	3
Net	233,933

Arena Drop
Arena Drop Project
Project # 21615205
October 2011

Energy produced by the project:

Gross Energy	65,488 Kwh
Usage	482 Kwh
Losses	0 Kwh
Total Energy delivered to Idaho Power	65,006 Kwh

Inadvertent Energy Calculation

Total Energy delivered to Idaho Power	65,006 Kwh
10 allW Maximum allowed for the month (Kwh)	7,440,000 Kwh
Inadvertent energy	0 Kwh

Net Energy

Total Heavy Load Energy	27,458 Kwh
Total Light Load Energy	22,042 Kwh
Total Surplus Energy	15,506 Kwh
Total Energy delivered to Idaho Power	65,006 Kwh
Less: Inadvertent energy	0 Kwh
Current Month Net Energy delivered to Idaho Power	65,006 Kwh

Surplus Energy Calculation

Projects estimated energy deliveries	45,000 Kwh
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Net Energy delivered to Idaho Power that exceeds 110 %

Current Month Net Energy delivered to Idaho Power	65,006 Kwh
110% Projects estimated energy deliveries	49,500 Kwh

15,506 Kwh

Net Energy delivered to Idaho Power that is less than 90 %

90% Projects estimated energy deliveries	40,500 Kwh
Current Month Net Energy delivered to Idaho Power	65,006 Kwh
Current Month Net Energy that is less than 90%	0 Kwh

Total Surplus Energy

15,506 Kwh

Idaho Power Company

Cogeneration and Small Power Production

Arena Drop

Project #21615205

October 2011
Header # 1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DST	HL	LL
Day 1	237	236	242	245	251	253	253	253	253	251	246	246	243	235	233	231	232	233	238	241	246	246	251	252	5,852	0	3,865	1,967
Day 2	260	263	254	255	251	258	258	258	258	255	254	254	254	255	255	255	257	258	251	243	247	247	246	246	6,148	0	3,865	6,148
Day 3	245	243	242	241	239	238	240	241	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	4,802	0	3,023	1,779
Day 4	164	162	164	164	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	4,095	0	2,760	1,315
Day 5	165	162	163	166	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	5,150	0	3,669	1,490
Day 6	246	245	244	242	239	240	238	241	253	244	230	215	204	184	189	188	188	187	186	184	184	182	183	182	6,126	0	3,305	1,821
Day 7	179	178	175	177	178	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	4,740	0	3,234	1,506
Day 8	218	214	207	187	182	176	174	172	170	178	186	184	181	192	215	221	223	224	222	221	224	222	220	219	4,810	0	3,034	1,576
Day 9	192	191	189	188	191	192	190	189	191	193	197	200	203	208	205	208	207	206	204	205	202	202	200	201	4,752	0	-	-
Day 10	200	201	200	197	198	200	198	191	198	208	216	219	216	215	220	220	220	219	221	238	228	230	232	231	6,117	0	3,458	14
Day 11	225	218	215	212	214	211	209	212	213	215	216	211	205	198	191	184	188	194	192	189	188	186	185	184	4,866	0	3,192	14
Day 12	184	184	185	187	186	186	189	209	213	208	211	213	212	213	211	188	180	175	175	170	165	163	161	160	4,528	0	3,095	33
Day 13	165	165	168	157	157	155	154	157	165	155	153	149	144	143	145	146	144	139	136	140	139	139	139	140	3,554	0	2,340	1,214
Day 14	142	142	141	142	142	140	139	137	137	135	131	130	131	128	127	105	105	105	105	105	105	105	105	105	2,133	0	1,288	845
Day 15	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-	(16)
Day 16	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-48	0	-	(48)
Day 17	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-34	0	-	(14)
Day 18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 26	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 29	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
Day 31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	-	(16)
																									65,006	0	38,059	28,947

Hourly Generation Exceeding 450 Kwh 0

Generation	65,488
Usage	482
	65,006

Idaho Power Company

Cogeneration and Small Power Production

Arena Drop

Project #21615205

November 2011
Header # 1124

	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	Total	DET	HL	LL
Day 1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	0	(16)	(8)
Day 8	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-24	-1	(24)	(8)
Day 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-24	0	(16)	(8)
Day 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-14	0	(8)	(8)
Day 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
Day 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-
																									-182	0	(104)	(78)

Hourly Generation Exceeding 450 Kwh

0

Generation
Usage

0
183
-183

EXHIBIT C

1. Expected Turbine Efficiency for Arena HPP:

Turbine Type: HLA153-WJ-71)

Flow (cfs)	Flow (m ³ /s)	Net Head (ft)	Net Head (m)	Turbine Effi. (%)	Turbine Output (kW)
90	2.55	71.4	21.8	87.0	473
80	2.26	71.7	21.9	90.4	439
70	1.98	72.0	21.9	89.0	380
60	1.70	72.3	22.0	86.0	316
50	1.42	72.5	22.1	81.0	248
40	1.13	72.6	22.1	74.0	182
30	0.85	72.8	22.2	57.0	105

EXHIBIT D

ARENA

ARENA	2011	
8/9	AM	PM
	5100	5100
CFS	102	102
8/10	AM	PM
	5000	4800
CFS	100	96
8/11	AM	PM
	5000	5400
CFS	100	108
8/12	AM	PM
	5400	5400
CFS	108	108
8/13	AM	PM
	5300	5100
CFS	106	102
8/14	AM	PM
	5250	5200
CFS	105	104

ARENA	2012	
7/7	AM	PM
	5150	6550
CFS	103	131
7/8	AM	PM
	5950	5800
CFS	119	116
7/9	AM	PM
	6550	5800
CFS	131	116
7/12	AM	PM
	4400	5700
CFS	88	114
7/27	AM	PM
	5450	5700
CFS	109	114
8/16	AM	PM
	5300	5100
CFS	106	102

ARENA	2013	
6/22	AM	PM
	5250	4900
CFS	105	98
7/2	AM	PM
	5300	5900
CFS	106	118
7/7	AM	PM
	4450	5000
CFS	89	100
7/8	AM	PM
	5100	5000
CFS	102	100
7/15	AM	PM
	5300	4850
CFS	106	97
8/10	AM	PM
	4700	4500
CFS	94	90

ARENA	2014	
4/22	AM	PM
	4700	4850
CFS	94	97
4/23	AM	PM
	4750	5000
CFS	95	100
4/24	AM	PM
	4750	4900
CFS	95	98
5/10	AM	PM
	4900	5000
CFS	98	100

ARENA	2014	
5/11	AM	PM
	5200	5200
CFS	104	104
5/12	AM	PM
	4900	5000
CFS	98	100

EXHIBIT E

Arena Plant

Date	Bypass gate	Time
8-09-11	20%	7:29 am
8-10-11	12%	7:35 am
8-11-11	20%	7:47 am
8-12-11	28%	7:48 am
8-13-11	14%	8:29 am
8-14-11	16%	10:24 am
7-07-12	21%	7:54 am
7-08-12	24%	7:51 am
7-09-12	22%	7:41 am
7-12-12	4%	7:54 am
7-27-12	10%	4:00 pm
8-06-12	15%	7:39 am
6-22-13	7%	8:00 am
7-02-13	0%	7:59 am
7-07-13	0%	7:00 am
7-08-13	0%	7:04 am
7-15-13	12%	7:16 am
8-10-13	4%	7:33 am
4-22-14	0%	6:43 am
4-23-14	0%	6:13 am
4-24-14	0%	6:50 am
5-10-14	0%	6:19 am
5-11-14	0%	6:34 am
5-12-14	0%	6:05 am

EXHIBIT F



P.O. Box 720 Parma, Idaho 83660
Office 208.722.6731 Fax 208.722.6736
Email riverside@rsicorp.net

ARENA DROP HYDRO MAX FLOW

7/22/2015

After reviewing all the data from Tim Page and Terry Daugherty for flows at the canal, bypass flows and generation from the actual data, taken daily on site and by going thru the data and selecting the high flow and high generation dates were all the water was going thru the Turbine/Generator and none going thru the bypass gate and when the Turbine/Generator was at 100% wicket (max flow) taking all the water available we can report the following results (these results are the average for the 24 hour day with zero bypass):

M/D/Y	KW	Wicket Gate %open	Bypass Gate %open	CFS
4/22/14	456	100	-0-	96
4/23/14	460	100	-0-	98
4/24/14	456	100	-0-	97
5/10/14	455	100	-0-	99
5/11/14	457	100	-0-	104
5/12/14	458	100	-0-	99

NOTE: During these 6 days all the water in the canal passed thru the turbine/generator and produced maximum power that matched the original manufactures design/efficiencies. These flows represent the flow of water that was put to beneficial use to generate electricity.

Regards
Dennis Daugherty

7/22/2015

Edl, Michele

From: Albert Barker [apb@idahowaters.com]
Sent: Monday, July 13, 2015 4:47 PM
To: Edl, Michele
Cc: Terry Daugherty; Dennis Daugherty; Tim Page; dshaw@erresources.com
Subject: Re: Notice of Intent to Void Permit 63-33329

We are in the process of pulling this requested information together. It is regrettable that the Department feels the need to take this action at this time, particularly after the length of time that has passed since the proof was initially submitted. As far as I know there was no prior deadline imposed to respond to your request. Further, there is no doubt that power generation did occur during the development phase of this permit.

Rest assured that the Boise Project does not agree with this action and will take all appropriate steps to protect and perfect this right.

Sent from my iPhone

On Jul 13, 2015, at 3:19 PM, Edl, Michele <Michele.Edl@idwr.idaho.gov> wrote:

Gentlemen,

I have yet to receive the information that I requested in this email. Without it, no beneficial use of water for power production has been confirmed to have occurred during the development period of the permit. And as a consequence, I have limited options for processing this permit.

I have attached an early-bird copy of a letter which will be mailed from the state office tomorrow, July 14, 2015.

Respectfully,
Michele Edl

From: Edl, Michele
Sent: Wednesday, June 03, 2015 6:21 PM
To: 'Albert Barker'
Cc: 'dshaw@erresources.com'
Subject: Additional Information Request 63-33329

Mr. Barker, Mr. Shaw,

On June 3, 2013, IDWR received the Proof of Beneficial Use statement and Beneficial Use Field Report for Permit 63-33329. Receipt of those documents ended the development period for this permit. I have been assigned to review the file contents and, if possible, to issue a license for the use. I have completed an initial review and I found that although the Beneficial Use Field Report has been accepted, the use of water for power generation was not confirmed by the information in the report.

1)The Beneficial Use Field Report doesn't provide a record of power generation occurring at the time of the exam nor does it include readings of power generated during the development period of the permit. Therefore, although the report has information about the diversion of water, without generation records the report doesn't confirm that that diverted water was put to power generation use.

2)The report doesn't provide information about the hydraulic capacity of the turbine. Permit 63-33329 is limited to 80 cfs for use in the Arena Drop powerhouse. But Section F Flow Calculations, on page 4 of the Beneficial Use Field Report, indicates that as much as 90 cfs was passing through the project. A photo of the generator nameplate is provided in the report but

there isn't a photo of the turbine nameplate. Nor is there other evidence of the turbine's capacity. Without proof of the turbine's capacity, the report doesn't confirm that the measured/diverted rate (90 cfs) or the recommended rate (80 cfs) could be utilized to generate power.

Finally, the report doesn't recommend a license volume. Beneficial Use Examination Rule 37.03.02.035 j exempts on-stream, run-of-river hydropower projects from the requirement of a volume recommendation, but this facility doesn't qualify under that rule and therefore a volume of water beneficially used is required for the license.

I have permission to join the FERC inspector, Jordan Reimer, during his scheduled inspection of the Arena Drop project on June 24, 2015. It would be easy for me to confirm power generation at that time and to take a photo of the turbine nameplate as some evidence of its capacity. But that exercise will not provide the needed evidence of power generation during the development period.

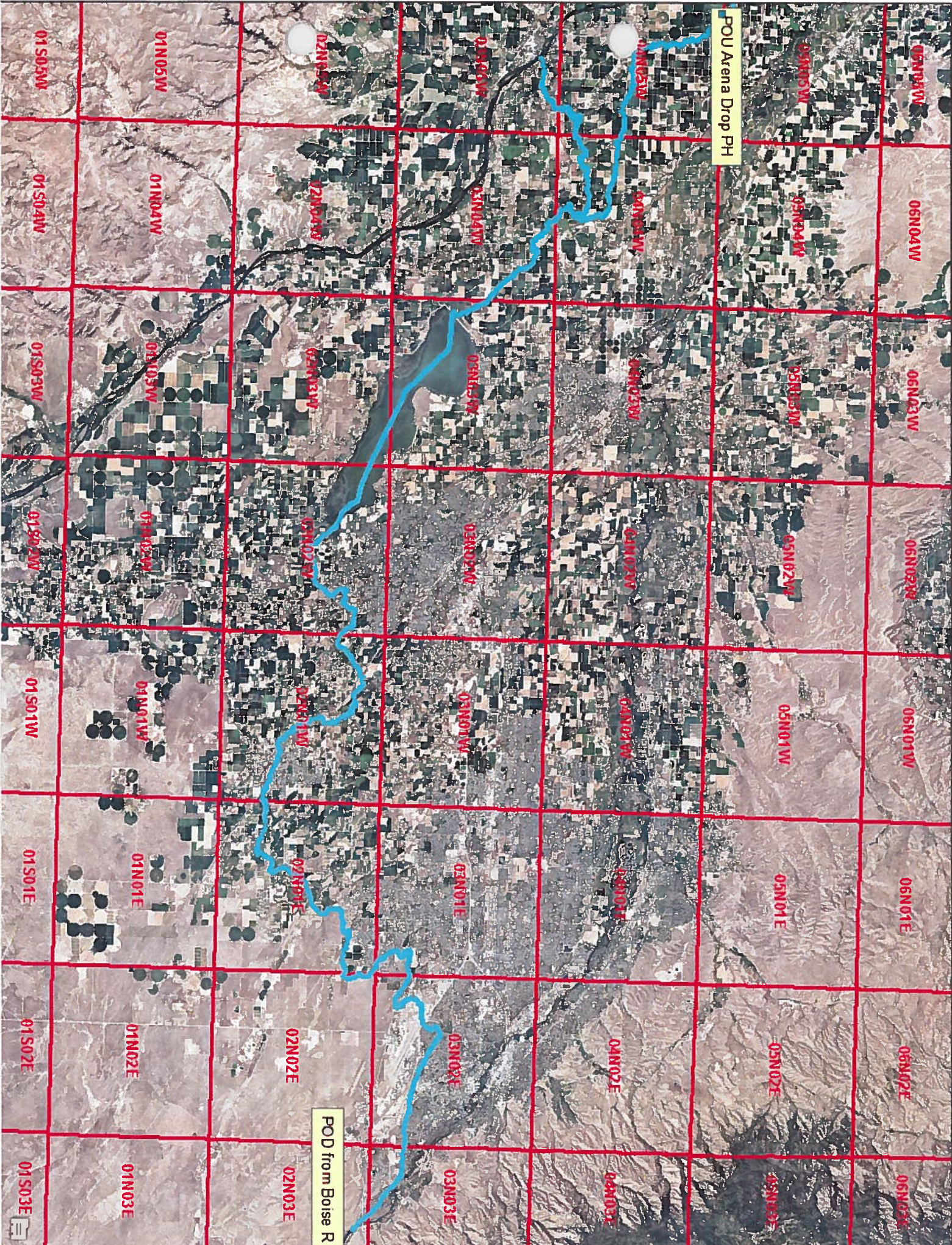
Therefore, to facilitate the licensing process, please provide:

- 1) One year's worth of daily generation data and the companion flow data. The data should be from the best generation year within the development period of the permit. For Permit 63-33329 that period is September 1, 2010 through June 3, 2013.
- 2) Evidence of the hydraulic capacity of the turbine installed at the Arena Drop project. That evidence could be in the form of the as installed equipment specifications sheet, results from the turbine's index/commissioning test or the turbine's characteristic performance curves.
- 3) A recommendation for the annual volume of water beneficially used for power and the calculations used to obtain that recommendation.

I suspect that some of the information that I am requesting is not immediately available, but I would like to complete the licensing of this permit soon. Therefore, please respond to this information request within 30 days. And don't hesitate to contact me for clarification or with other questions related to the water right licensing of this project.

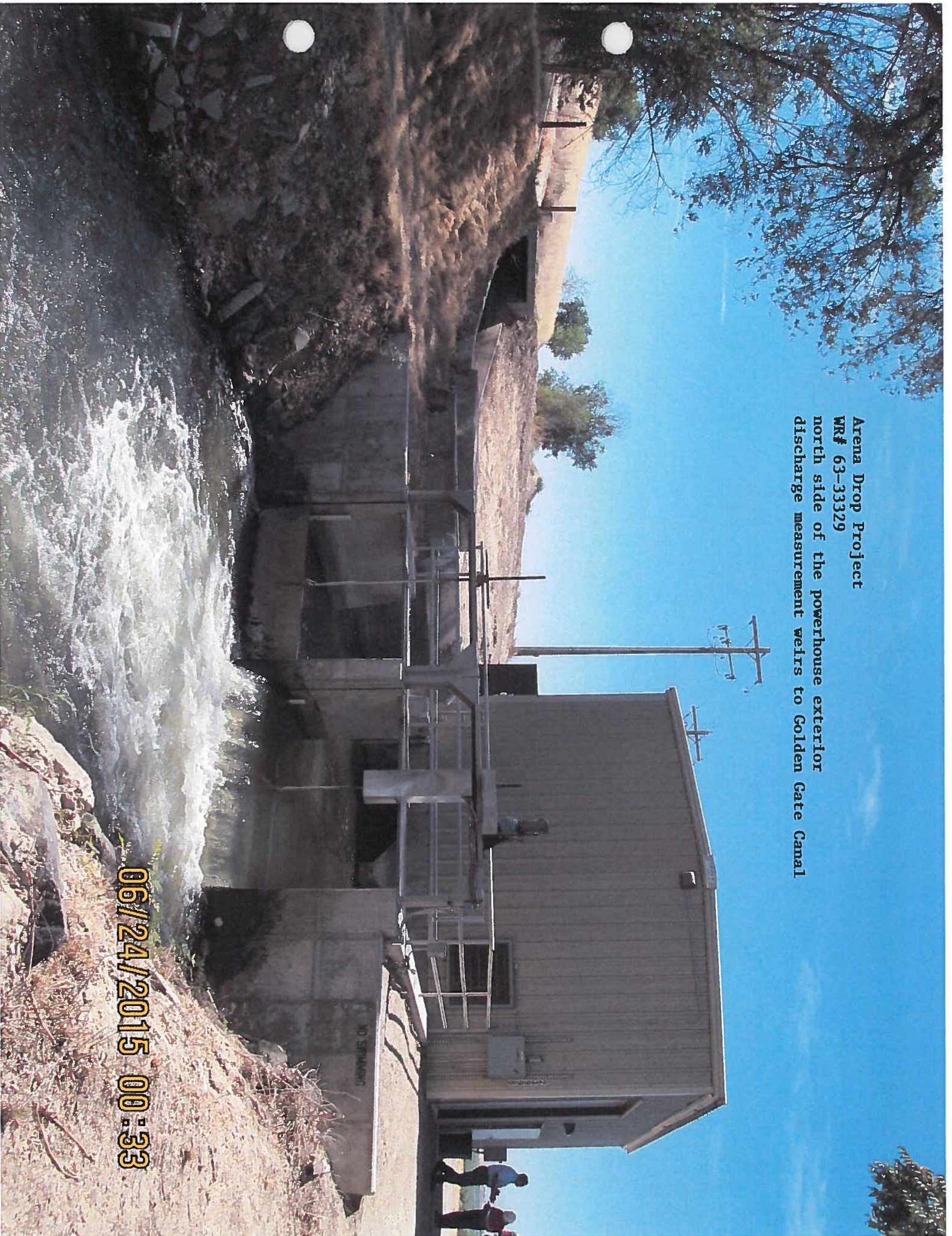
Respectfully,
Michele Edl
208-287-4946

<63-33329 Notice of Intent to Void Permit-No Beneficial Use.doc>



Arena Drop Project
WR# 63-33329
north side of the powerhouse exterior
discharge measurement weirs to Golden Gate Canal

06/24/2015 00:33



Arena Drop Project
WR# 63-33329

staff gauge on Golden Gate weir

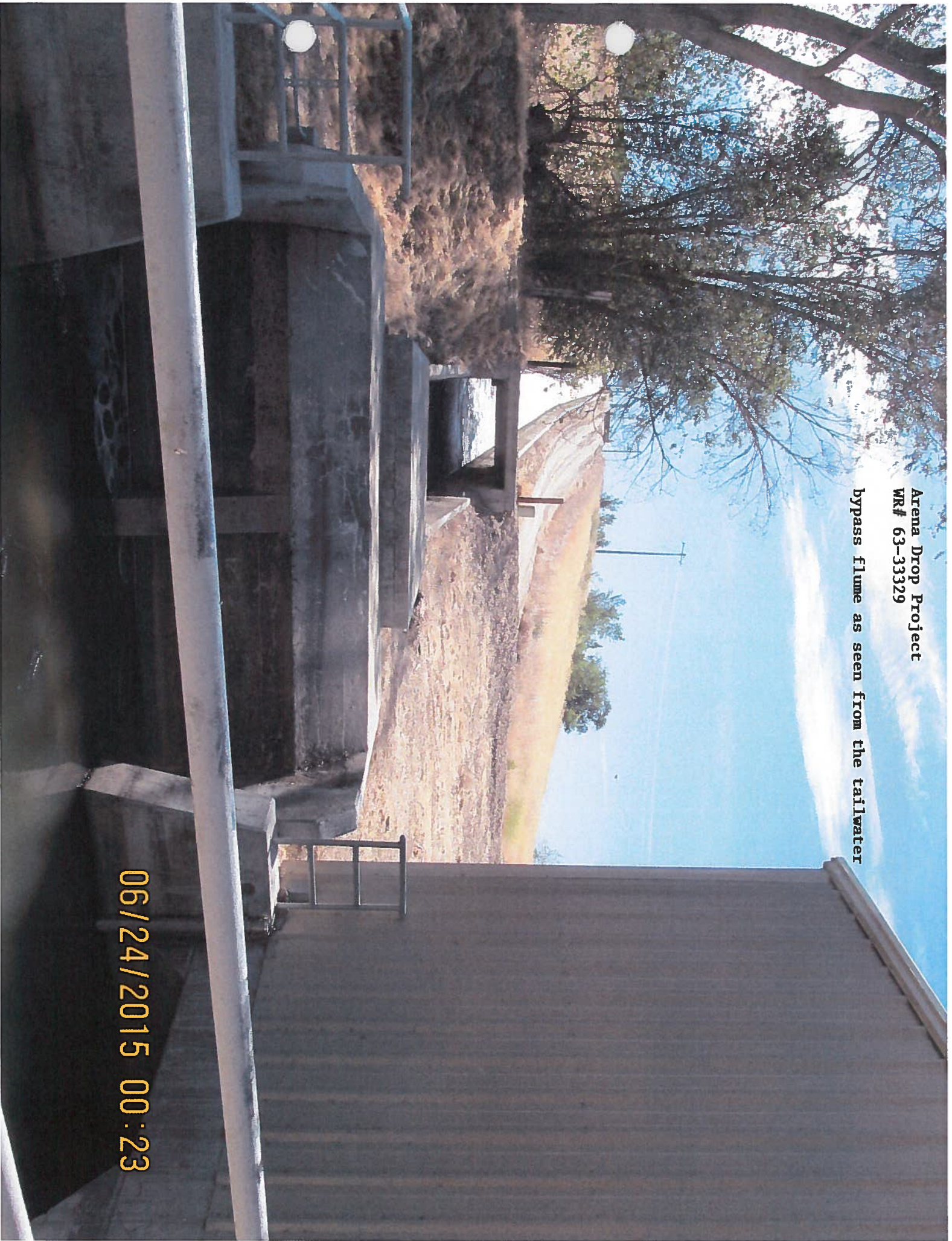
0505
0405
0305
0205
0105
0005

06/24/2015 00:33

Arena Drop Project
WR# 63-33329

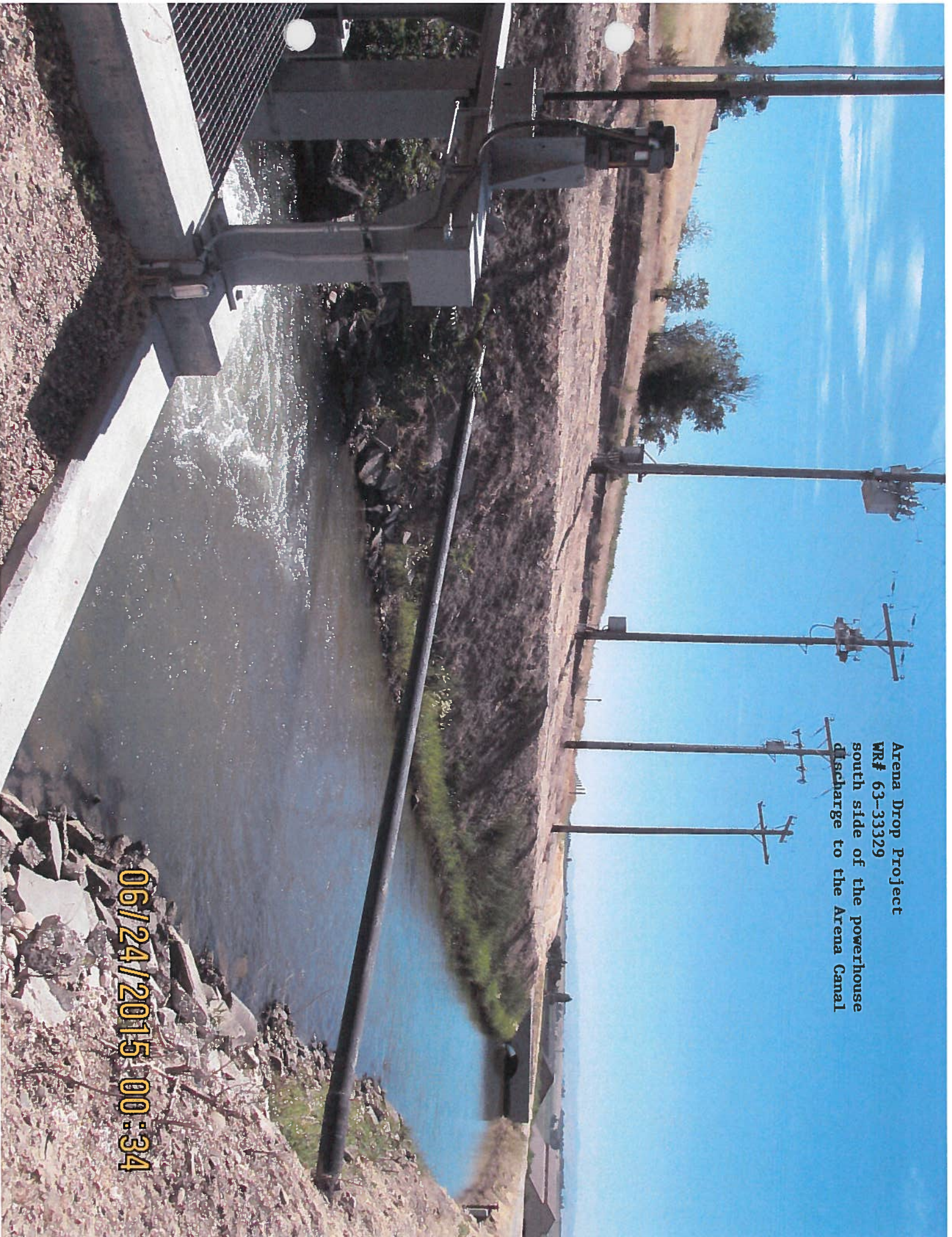
bypass flume as seen from the tailwater

06/24/2015 00:23



Arena Drop Project
WR# 63-33329
south side of the powerhouse
discharge to the Arena Canal

06/24/2015 00:34



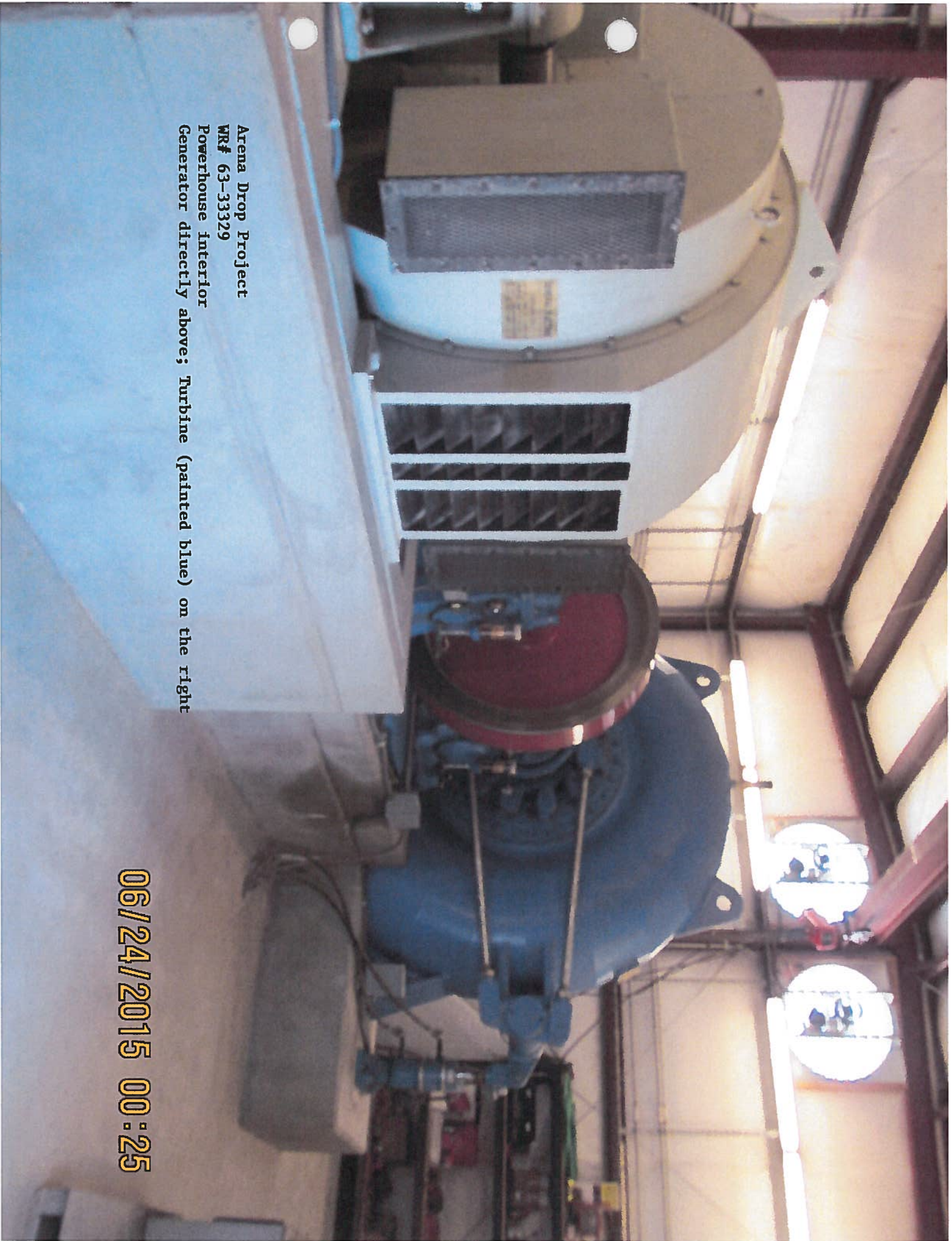
Arena Drop Project
WR# 63-33329
Powerhouse interior

06/24/2015 00:26



Arena Drop Project
WR# 63-33329
Powerhouse interior
Generator directly above; Turbine (painted blue) on the right

06/24/2015 00:25





水轮机

CE

HYDRAULIC TURBINE

型号
TYPE

HLA153-WJ-71

额定水头
RATED HEAD

21.9 m

额定功率
RATED POWER

432 kW

额定流量
RATED DISCHARGE

2.26 m³/s

产品编号
SERIAL No.

213

额定转速
RATED SPEED

450 r/min

制造日期
DATE

2009-12

中国

浙江金轮机电实业有限公司

ZHEJIANG JINLUN ELECTROMECHANIC CO., LTD

CHINA

Arena Drop Project
WR# 63-33329
Turbine nameplate

06/24/2015 00:25

Arena Drop Project
WR# 63-33329
Generator nameplate

GENERAL ELECTRIC

GENERATOR

KW	450	RPM	450	VOLTS	480
PHASE	3	AMPS	541	SF	1.15
PF	.98	FIELD VOLTS	230 DC		
S#	2010 RSI	FIELD AMPS	150		

06/24/2015 00:23

Arena Drop Project
WR# 63-33329

Instrument display panel



06/24/2015 00:30

Arena Drop Project
WR# 63-33329
Instrument display

SYNC SCOPE



WICKET GATE POSITION



GENERATOR METER



DIGITAL MULTI METER



BUS METER



BYPASS GATE POSITION



06/24/2015 00:24

Arena Drop Project
WR# 63-33329

measurement of power generation

ENTER

DIGITAL MULTI METER

BUS N

0640

x1000

x1000

x1000

SQUARE D

PowerLogic

ICON
6200

V_{L-N}

V_{L-L}

I

PF

kW

kVA

kVAR

V_{THD}

I_{THD}

A

4772.1

V_{AVG}

kVA

PF

x 1000

B

4443.5

I_{AVG}

kVAR

FREQ.

x 1000

C

361.8

kW

I₄

x 1000

kWh

kVAh

kVARh

DMD
MAX
SEC

SETUP



06/24/2015 00:28

Compton

Sys Volts •
Volts L1-N •
-Volts L1-2 •
Amps L1 •

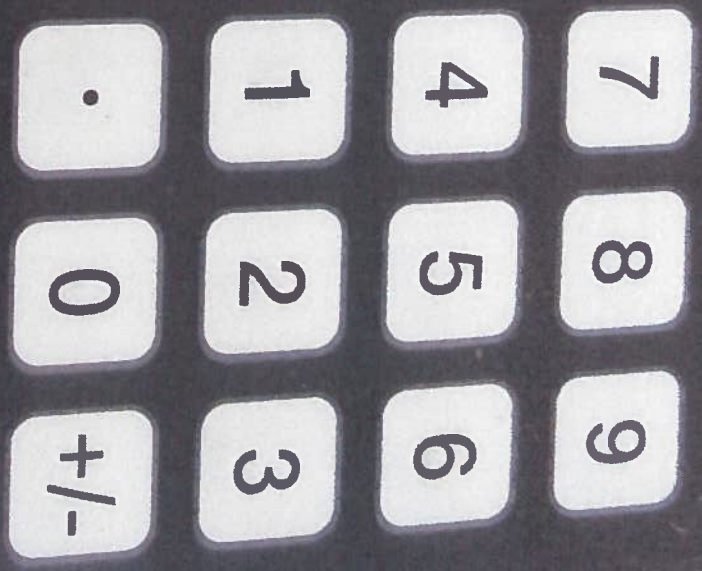
Sys Amps •
Volts L2-N •
Volts L2-3 •
Amps L2 •

Frequency •
Volts L3-N •
Volts L3-1 •
Amps L3 •

red ion



TAILRACE STATIONS SCREEN
TAILRACE GATE 0.42
TAILRACE LEVEL 8.47 FT
ON LINE SETPOINT 7.25 FT
TAILRACE MODE AUTO



PWR

06/24/2015 00:24

LOWER



Arena Drop Project
WR# 63-33329

note pressure gauge on penstock

06/24/2015 00:31



Arena Drop Project
WR# 63-33329

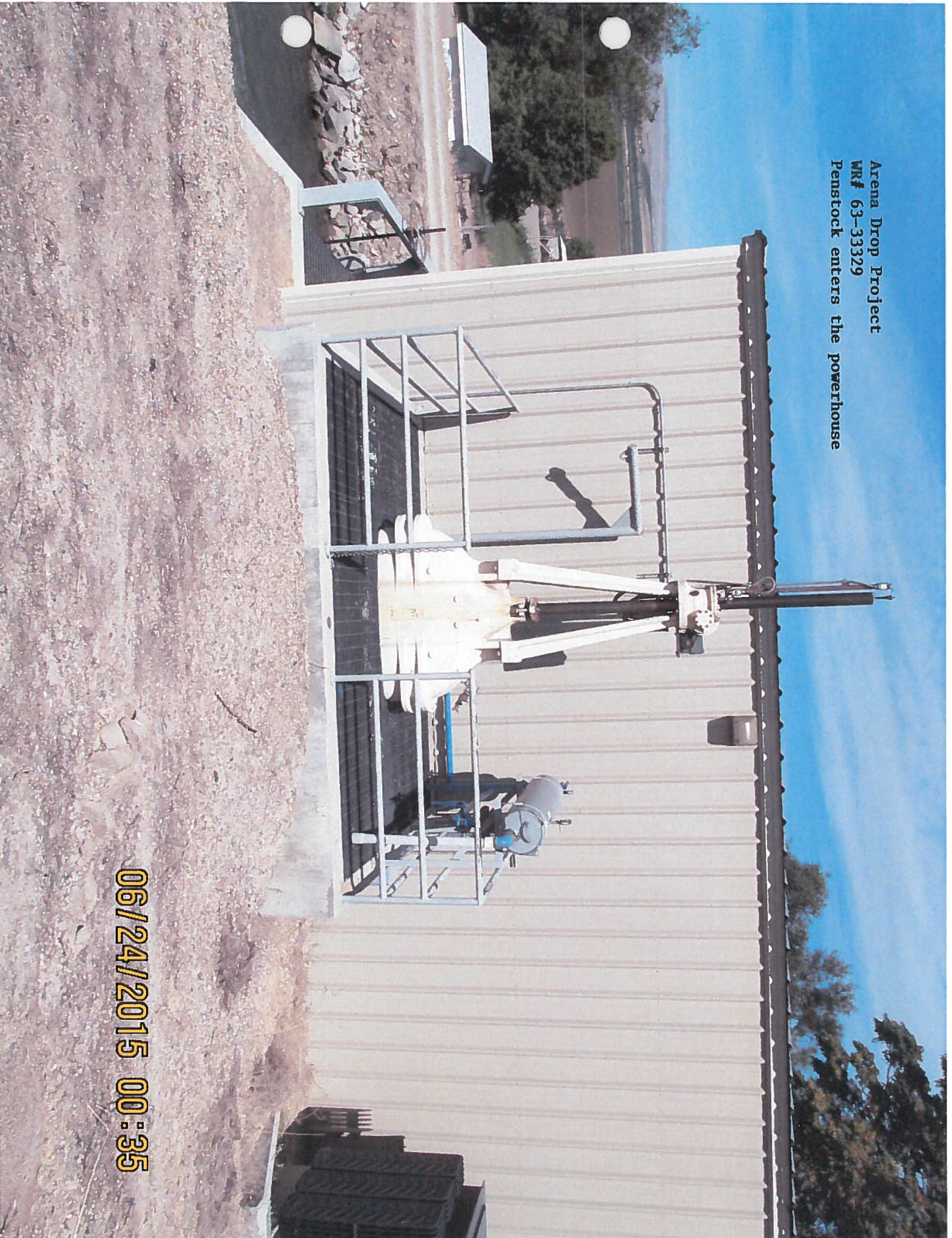
measurement of head



06/24/2015 00:26

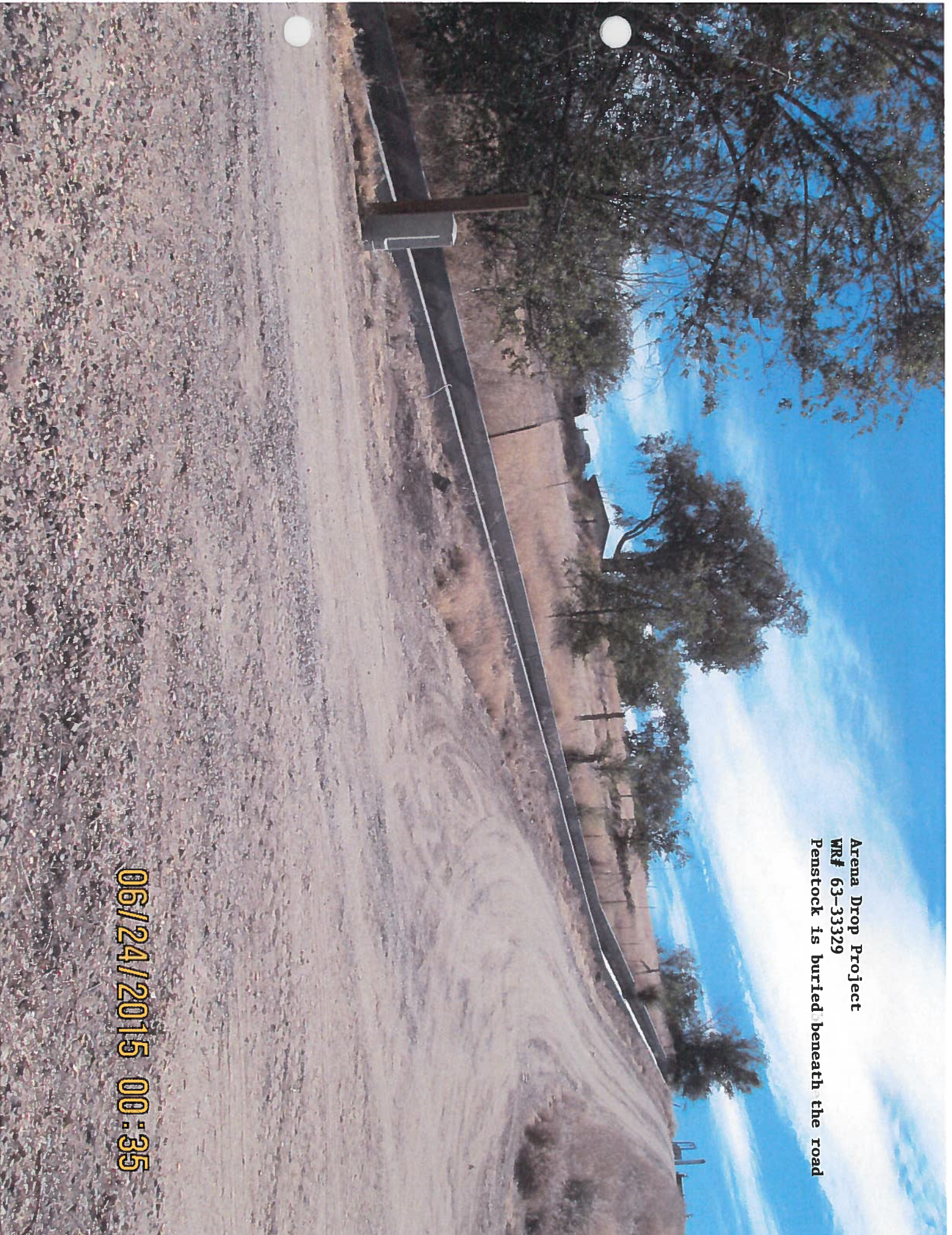
Arena Drop Project
WR# 63-33329
Penstock enters the powerhouse

06/24/2015 00:35



Arena Drop Project
WR# 63-33329
Penstock is buried beneath the road

06/24/2015 00:35



Arena Drop Project
WR# 63-33329

bypass flume as viewed from the headworks

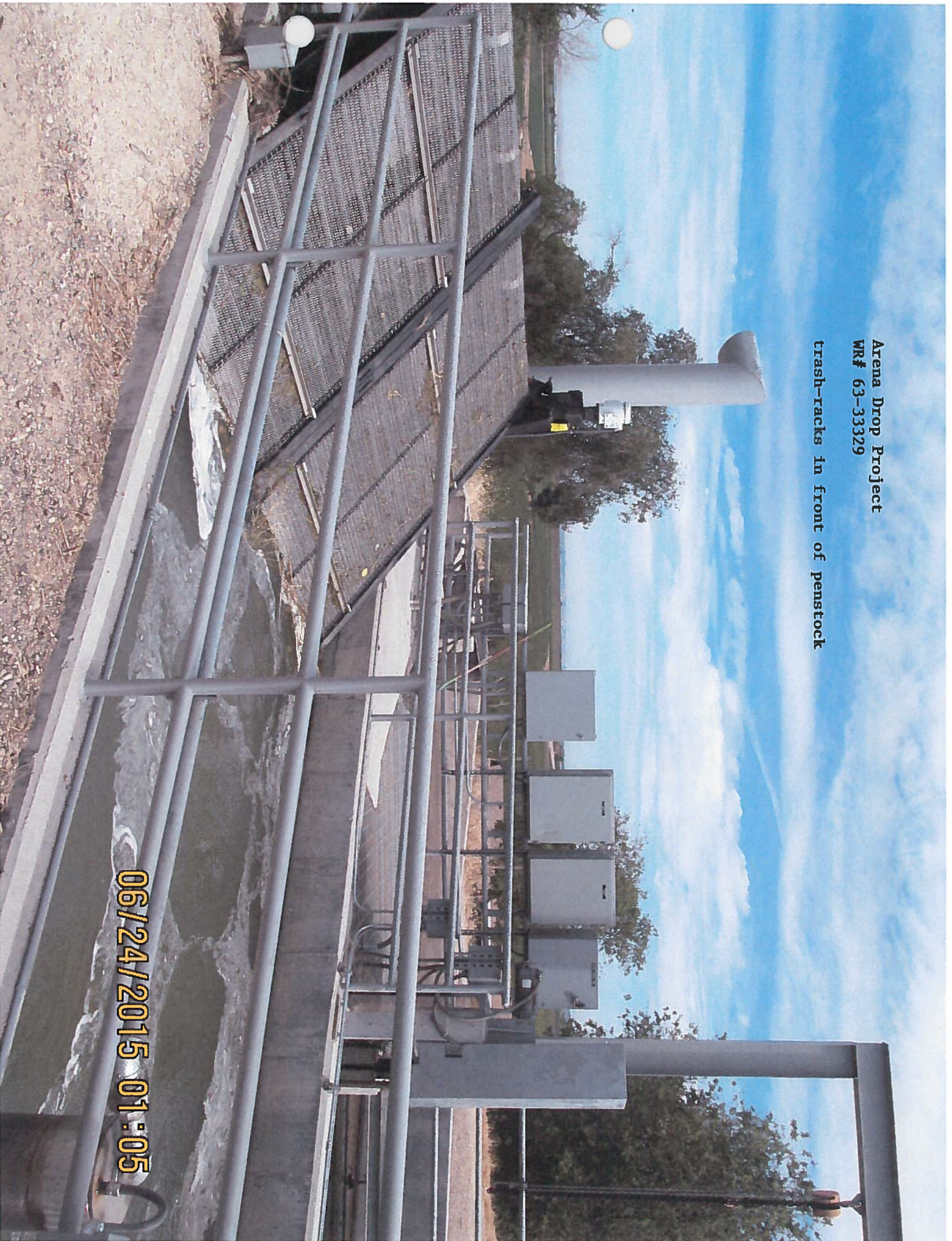


06/24/2015 01:06

Arena Drop Project
WR# 63-33329

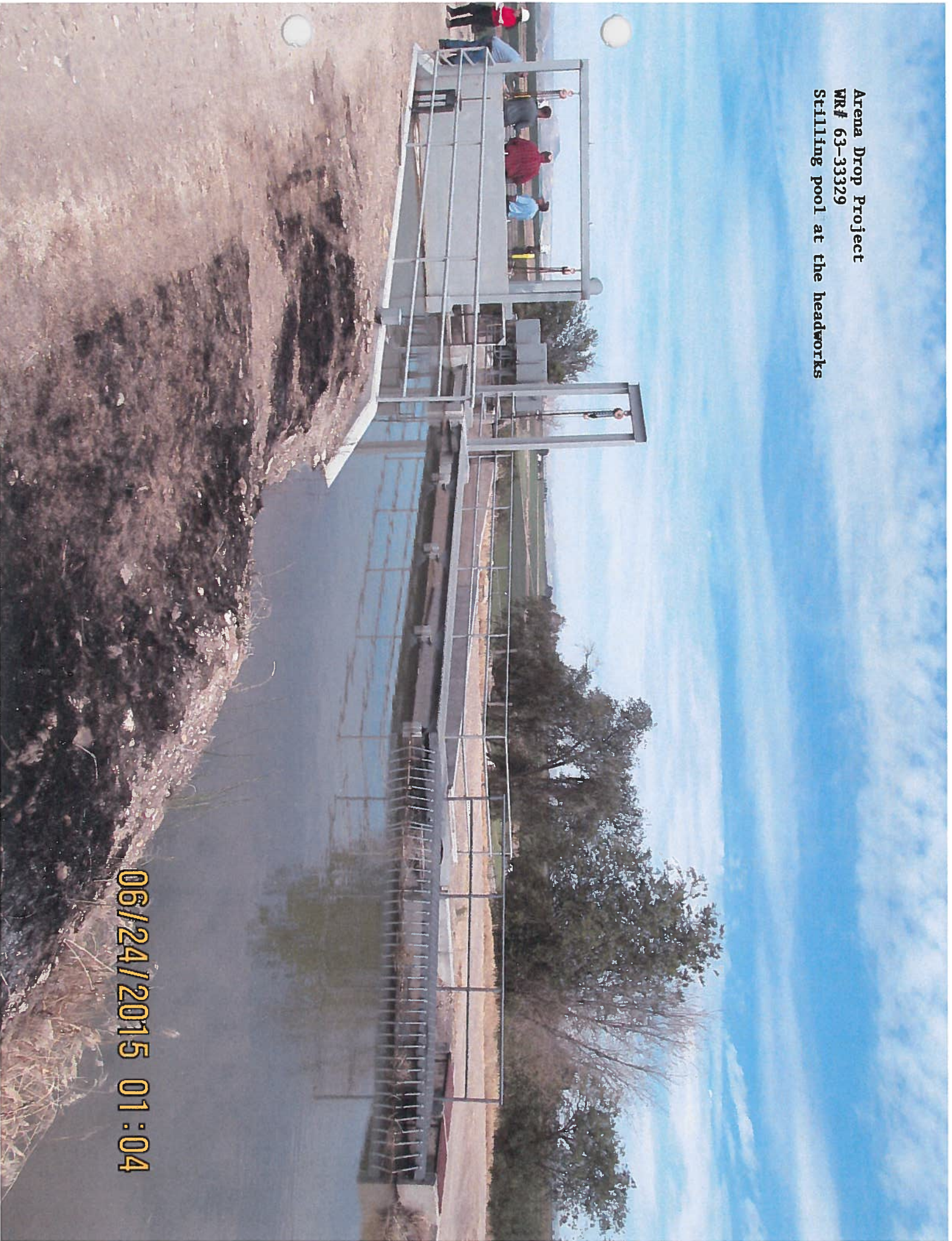
trash-tracks in front of penstock

06/24/2015 01:05



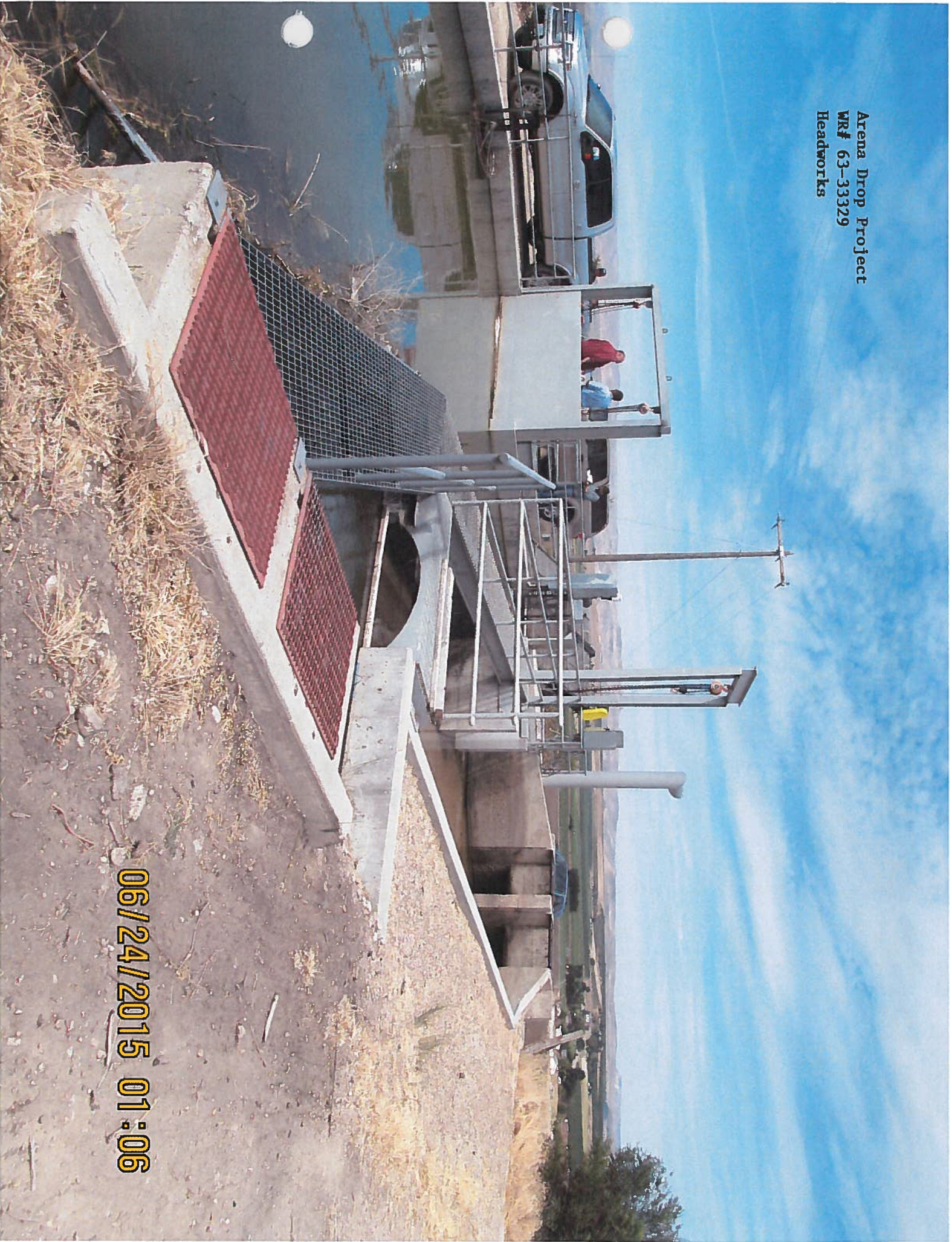
Arena Drop Project
WR# 63-33329
Stillling pool at the headworks

06/24/2015 01:04



Arena Drop Project
WR# 63-33329
Headworks

06/24/2015 01:06



No. C 100751	Due no later than Jan 31, 2015 Annual Report Form		2. Registered Agent and Address (NO PO BOX)			
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE	1. Mailing Address: Correct in this box if needed. RIVERSIDE, INC. DENNIS D DAUGHERTY P O BOX 720 PARMA ID 83660		DENNIS D DAUGHERTY 111 S ROSWELL BLVD PARMA 83660			
			3. <u>New</u> Registered Agent Signature:*			
4. Corporations: Enter Names and Business Addresses of President, Secretary, and Directors. Treasurer (optional).						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
SECRETARY	TERRY L DAUGHERTY	P.O. BOX 720	PARMA	ID	USA	83660
PRESIDENT	DENNIS D DAUGHERTY	P.O. BOX 720	PARMA	ID	USA	83660
VICE PRESIDENT	TERRY L DAUGHERTY	P.O. BOX 720	PARMA	ID	USA	83660
5. Organized Under the Laws of: ID C 100751		6. Annual Report must be signed.* Signature: Julene Daugherty Name (type or print): Julene Daugherty Date: 11/17/2014 Title: Office Manager				
Processed 11/17/2014		* Electronically provided signatures are accepted as original signatures.				

100751

State of Idaho

Department of State

CERTIFICATE OF INCORPORATION OF

RIVERSIDE, INC.

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of Articles of Incorporation for the incorporation of the above named corporation, duly signed pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Incorporation and attach hereto a duplicate original of the Articles of Incorporation.

Dated: January 14, 1993



Pete T. Cenarrusa
SECRETARY OF STATE

By *Ray J. Clark*

JAN 14 11 43 AM '93
SECRETARY OF STATE

ARTICLES OF INCORPORATION
FOR
RIVERSIDE, INC.

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, have this day voluntarily associated ourselves together for the purpose of forming a Corporation under the laws of the State of Idaho, and we hereby certify that:

FIRST

The name of this Corporation shall be Riverside, Inc.

SECOND

This Corporation is a common stock corporation.

THIRD

The period of duration for Riverside, Inc. shall be perpetual.

FOURTH

The purposes and objects for which this corporation is formed are for electrical mechanical sales, service and repair of any and all electrical equipment, machine shop work, electric motor and generator repair, pump service and repair and well drilling, to purchase and own real estate and other properties, general contractors and subcontractors for various public works projects, water projects, electrical projects and other building or developmental projects, and all other lawful purposes.

IDAH0 SECRETARY OF STATE
19930114 0900 44886 2
CK 8: 8957 CUST8 1
CORPORATIO 10 60.00= 60.00

✱:

ARTICLES OF INCORPORATION--1

FIFTH

That the location and post office address of the initial registered office of this Corporation in the State of Idaho, and its initial registered agent shall be as follows:

Dennis D. Daugherty
111 South Roswell Boulevard
P. O. Box 720
Parma, Idaho 83660

SIXTH

That the capital stock of this Corporation shall consist of 2,400 shares of common stock, having a par value of \$1.00 per share and an aggregate par value of \$2,400.00; each of the shares shall be non-assessable when fully paid for.

The capital stock of this Corporation shall not be divided into classes, but shall consist of one class only, that being common stock; that each share of stock shall be entitled to one vote in all matters wherein the shareholders of this Corporation shall be entitled to vote, and each share shall in all respects be equal to every other share.

Capital stock shall be transferred only in accordance with such rules and regulations as are established by the By-laws of the Corporation, and all restrictions relative to the transfer of shares of stock of the Corporation shall be noted on the stock certificate issued by the Corporation.

SEVENTH

That the name and post office address of each of the incorporators, and the number of shares of the capital stock of this

Corporation described in the preceding paragraph, subscribed to each, is as follows:

<u>Name</u>	<u>Address</u>	<u># of Shares</u>
Dennis D. Daugherty	P. O. Box 154 Adrian, Oregon 97901	600
Dwane I. Daugherty	P. O. Box 191 Adrian, Oregon 97901	600
Boyd M. Matthews	Route 1 Homedale, Idaho 83628	600

EIGHTH

That the right and power to adopt, repeal, alter, rescind, and amend the By-laws of this Corporation and to adopt new By-laws is hereby expressly conferred upon the Board of Directors of this Corporation as provided by Title 30 of the Idaho Code.

NINTH

That there shall be three (3) members of the initial Board of Directors whose names and addresses are as follows:

<u>Name</u>	<u>Address</u>
Dennis D. Daugherty	P. O. Box 154 Adrian, Oregon 97901
Dwane I. Daugherty	P. O. Box 191 Adrian, Oregon 97901
Boyd M. Matthews	Route 1 Homedale, Idaho 83628

At any or anytime after the first regular meeting of the members, the members may increase at any regular or special meeting by a majority of the members providing a quorum is present.

TENTH

Amendment to these Articles shall require a simple majority of the outstanding stock, except where expressly provided otherwise.

IN WITNESS WHEREOF, we have hereunto set our hands this

14 day of January, 1993.


DENNIS D. DAUGHERTY


DWANE I. DAUGHERTY


BOYD M. MATTHEWS

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE APPLICATION	)	
OF IDAHO POWER COMPANY FOR	)	CASE NO. IPC-E-10-05
APPROVAL OF A FIRM ENERGY SALES	)	
AGREEMENT FOR THE SALE AND	)	
PURCHASE OF ELECTRIC ENERGY	)	ORDER NO. 31060
BETWEEN IDAHO POWER COMPANY	)	
AND RIVERSIDE INVESTMENTS, LLC	)	

On March 9, 2010, Idaho Power Company (Idaho Power; Company) filed an Application with the Idaho Public Utilities Commission (Commission) requesting approval of a March 8, 2010, Firm Energy Sales Agreement (Agreement) between Idaho Power and Riverside Investments, LLC (Riverside).

AGREEMENT

Riverside is the owner/developer of a 450 kW hydro-generation facility (Arena Drop) located near Parma, Idaho in an area more particularly described as near Stephan Lane in Section 5, Township 4 N, Range 5 W, Canyon County, Boise Meridian. Riverside warrants that it is a qualified small power generation facility (QF) as defined in Sections 201 and 210 of the Public Utility Regulatory Policies Act of 1978 (PURPA) and the implementing regulations of the Federal Energy Regulatory Commission (FERC), 18 C.F.R. § 292. ¶ 3.2.

The purchase price for Riverside generation are the non-levelized published avoided cost rates in effect on the date of contract signing for monthly energy deliveries of less than 10 average megawatts (aMW). Order Nos. 30744, 30738 and 30415; Agreement Article VII. Should the facility exceed 10 aMW on a monthly basis, Idaho Power will accept the energy (Inadvertent Energy) that does not exceed the Maximum Capacity Amount (.52 MW), but will not purchase or pay for this Inadvertent Energy. ¶ 7.5.

The term of the Agreement is 20 years. ¶ 5.1. The scheduled Operation Date for Arena Drop is July 15, 2010. If the facility has not achieved its Operation Date prior to 90 days past that date, Delay Liquidated Damages of \$45 per nameplate kW rating will be assessed and collected from the facility. ¶ 5.3.2. In addition, within 30 days of the date of the Commission Order approving this Agreement, Riverside shall post security of \$45 per nameplate kW rating. ¶ 5.7.

Idaho Power represents that an interconnection feasibility study was not required for the Arena Drop facility. A final Facility Study was completed on March 4, 2010. All applicable interconnection charges and monthly operation and maintenance charges under Schedule 72 will be assessed and collected from Riverside.

The Idaho Power/Riverside Firm Energy Sales Agreement will not become effective until the Commission has approved all of the Agreement's terms and conditions and declared that all payments the Company makes to Riverside for purchases of energy will be allowed as prudently incurred expenses for ratemaking purposes. ¶ 20.

On March 17, 2010, the Commission issued Notices of Application and Modified Procedure in Case No. IPC-E-10-05. The deadline for filing written comments was April 1, 2010. Comments were filed by Commission Staff and two members of the public. The public comments were split, one supporting the proposed project, the other contending that the purchase price is too high.

STAFF COMMENTS

Commission Staff recommends that the Agreement be approved. The rates contained in the Agreement, Staff states, are consistent with the non-levelized published avoided cost rates for projects smaller than 10 aMW that were approved and in effect at the time the Agreement was signed by both parties. The Agreement, Staff notes, was submitted for Commission approval on March 9, 2010, exactly one week before the Commission issued Order No. 31025 significantly lowering the published avoided cost rates.

Staff notes that the Delay Liquidated Damages provisions of the Agreement and the associated requirement for Delay Security of \$45 per kW were reached through mutual agreement of the parties. Staff believes that the amount should be high enough to cover possible damages and to motivate owners to complete projects on time, yet not so high as to make it too difficult for owners and developers to post the security and obtain project financing. In this case, Delay Security is equal to the greater of \$45 per kW or the sum of three months' estimated revenue, approximately \$20,250. Staff believes that the \$45 Delay Security amount is reasonable. Whether the Arena Drop project achieves its scheduled operation date, Staff contends, is mostly in control of the project owner. The Facility Study needed to determine interconnection requirements for the project has already been completed by Idaho Power.

Construction by Idaho Power of the necessary interconnection facilities commences once the project owner pays the expected interconnection cost.

COMMISSION FINDINGS

The Commission has reviewed and considered the filings of record in Case No. IPC-E-10-05, including the proposed Agreement and filed comments. Idaho Power has presented for Commission approval a Firm Energy Sales Agreement with Riverside Investments LLC. As represented and pursuant to Agreement, under normal and/or average conditions the project will not exceed 10 aMW on a monthly basis. We thus find the project is qualified to receive the published avoided cost rates in effect on the date of contract signing.

The Commission finds that the proposed Agreement submitted in this case contains acceptable contract provisions and includes non-levelized published avoided cost rates approved by the Commission in Order No. 30477. We find it reasonable that the submitted Agreement be approved without further notice or procedure. IDAPA 31.01.01.204. We further find it reasonable to allow payments made under the Agreement as prudently occurred expenses for ratemaking purposes.

CONCLUSIONS OF LAW

The Idaho Public Utilities Commission has jurisdiction over Idaho Power Company, an electric utility, pursuant to the authority and power granted it under Title 61 of the Idaho Code and the Public Utility Regulatory Policies Act of 1978 (PURPA).

The Commission has authority under PURPA and the implementing regulations of the Federal Energy Regulatory Commission (FERC) to set avoided costs, to order electric utilities to enter into fixed-term obligations for the purchase of energy from qualified facilities and to implement FERC rules.

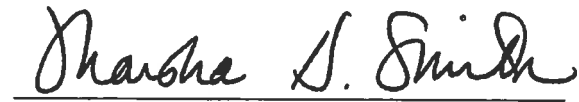
ORDER

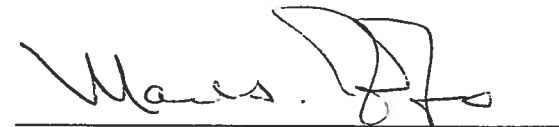
IT IS HEREBY ORDERED and the Commission does hereby approve the March 8, 2010 Firm Energy Sales Agreement between Idaho Power Company and Riverside Investments LLC.

THIS IS A FINAL ORDER. Any person interested in this Order may petition for reconsideration within twenty-one (21) days of the service date of this Order. Within seven (7) days after any person has petitioned for reconsideration, any other person may cross-petition for reconsideration. See *Idaho Code* § 61-626.

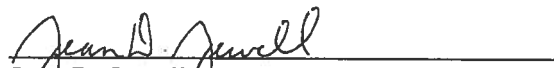
DONE by Order of the Idaho Public Utilities Commission at Boise, Idaho this 22nd
day of April 2010.


JIM D. KEMPTON, PRESIDENT


MARSHA H. SMITH, COMMISSIONER


MACK A. REDFORD, COMMISSIONER

ATTEST:


Jean D. Jewell
Commission Secretary

bls/O:IPC-E-10-05_sw2

Albert P. Barker, ISB No. 2867
BARKER ROSHOLT & SIMPSON LLP
1010 W. Jefferson, Suite 102
P.O. Box 2139
Boise, Idaho 83701-2139
Telephone: (208) 336-0700
Facsimile: (208) 344-6034

Attorneys for Exemption Holder, Boise Project Board of Control

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

BOISE PROJECT BOARD OF CONTROL	)	Project No. 4858 - Idaho
	)	APPLICATION FOR AMENDMENT
	)	OF EXEMPTION (CONDUIT)
	)	
	)	
	)	ARENA DROP
	)	

By letter dated December 6, 2011, from the Division of Hydropower Administration and Compliance, Office of Energy Projects, the Commission instructed the Exemption holder for this project, P-4858, Arena Drop, to file an amendment of exemption application to reflect the as-built conditions of the project. In compliance with that directive, the Boise Project Board of Control submits the following application for amendment for exemption (conduit) to reflect as-built conditions.

INTRODUCTORY STATEMENT

The Arena Drop Hydroelectric Facility FERC No. 4858, a small conduit hydroelectric facility, was granted an exemption from Licensing for a conduit hydroelectric project in 1981.

16 FERC ¶ 62, 612 (September 30, 1981). The Order concluded that the facility was exempt from all of the requirements of Part I of the Federal Power Act.

The Arena Drop hydroelectric project was revisited by the Boise Project Board of Control in 2006 when it entered into an agreement with Riverside, Inc., for Riverside to evaluate, design and construct certain projects, including Arena Drop P-4858. In August, 2010, an engineer from the Portland regional office of the Commission was in Idaho to inspect the Boise Project's Mora Drop Project, P-3403. At that time, the Arena Drop Project was discussed and an inspection scheduled for completion of the Arena Drop Project. Project plans were forwarded to the Portland Regional office by the Project Engineer, Ted Sorenson, on October 21, 2010. The Portland Regional office conducted a site inspection on June 9, 2011. The Bureau of Reclamation was on-site during this inspection. Immediately following the inspection, Riverside forwarded a profile map to the Portland Regional office at the engineer's request.

The Notice of Application for Exemption of Conduit Hydroelectric Facility published by the Commission on July 20, 1981 states that the project included a 900 foot long penstock. However, the project drawing that accompanied the notice illustrates a penstock which parallels and is the same length as an existing 442' concrete chute. This concrete chute is used in the original design and in the as-built configuration as the bypass system. As-built, the facility has a 430' penstock, 48" in diameter. The penstock is 430' because that is the actual distance from the intake to the power house and closely approximates the 442' distance shown on the drawing. At this time, the exemption holder does not know why the 1981 Notice referred to 900' of penstock. As-built, the pipe diameter is increased from 42" to 48". The reason for 48" diameter pipe instead of 42" diameter pipe was to provide less friction loss and slower water velocity. The original exemption approved 2 generating units with a combined rated capacity of 540kw,

whereas, as-built, the facility has 1 generating unit with a rated capacity of 450kw. The reason the facility was built with 1 unit instead of 2 units is that the contractor was able to locate a single unit that covered the flow regime in this canal and was able to save construction and acquisition costs. The name plate rating was reduced from 540kw to 450kw because the history of flows collected in this conduit since the exemption order was issued showed that the larger facility was not justified by the actual flow regime on the conduit.

The Arena Drop project was built in 2010. It was built at the same location on the conduit as originally described in the exemption order and application. The configuration changed slightly from that originally approved.

The Commission's December 6, 2011 letter requests that the exemption holder report on any agency comments on the design changes. The plans and specifications were submitted to the Bureau of Reclamation. Reclamation had comments on details of the connection to Reclamation facilities and concrete mix (attached), but no comments on the changes to the Project. Reclamation's comments were incorporated into the final design and construction. Canyon County Development Services provided a Building Permit. Idaho Department of Water Resources provided a water right permit (attached). These agencies had no comments on any design changes. The Portland Regional Engineers provided notice to Fish & Wildlife Service and Idaho Fish & Game of the June 9, 2011 Inspection (attached), but neither agency participated.

The information required in the introductory statement of an application follows:

The location of the facility is unchanged:

State of Idaho

County of Canyon

Closest nearby town: Roswell, Idaho

T4N R5W, Section 5, NWNE

The exact name and business address of the application of the exemption holder is unchanged: The Boise Project Board of Control, 2465 Overland Road, Boise, ID 83705-3155.

The exact name and business address of each person authorized to act as agent for the exemption holder in this application is updated: Paul Deveau, Manager, Boise Project Board of Control, 2465 Overland Road, Boise, ID 83705-3155, and Albert P. Barker, Barker Rosholt & Simpson, 1010 W. Jefferson Street, Suite 102, Boise, ID 83702.

The exemption holder is unchanged: The Boise Project Board of Control is a quasi-municipal entity organized as the operating agent for the five member quasi-municipal irrigation districts and existing under the laws of the States of Idaho and Oregon.

The provisions of Part I of the Federal Power Act for which exemption is requested are all provisions of Part I as was included in the Order Granting Exemption from Licensing for Conduit Hydroelectric Project issued October 23, 1981.

Attached hereto or incorporated herein are revised exhibits A, E, F and G.

EXHIBIT A: PROJECT DESCRIPTION

Pursuant to 18 C.F.R. § 4.92(c), the following is a description of the Arena small conduit hydroelectric facility and its mode of operation:

1. The Plant is located at the junction of the Golden Gate and Arena Canals. An intake structure was constructed on the left side of the canal next to the upper end of the flume. A new buried 48 inch penstock conveys flow to the power plant turbine. A 3 phase power line directly adjoining the power plant owned by Idaho Power Company is the point of connection. The interconnection connection is pole mounted equipment and there is no substation. The turbine wicket gates operate hydraulically. The governor is digital. Head level sensors in the Golden Gate canal are utilized to

provide information to the powerhouse PLC to maintain constant head in the upstream Golden Gate canal. A bypass system utilizes the existing concrete chute drop structure.

2. The natural source of water that supply the related conduit is water diverted from the Boise River into the New York Canal, which travels to Lake Lowell, an off-stream storage reservoir, where it is diverted into a series of canals, ultimately reaching the head of the Arena Drop.
3. The conduit is used for agricultural irrigation.
4. The unit is a horizontal Francis Turbine rated at 432kW, 1.15SF, 450 RPM. The design is a 72 feet head at 40 – 80 cubic feet per second. The generator is a refurbished General Electric unit rated at 0.45MW, 1.15SF, 450 RPM. The unit is a synchronous generator.
5. The unit is a horizontal Francis Turbine rated at 432kW, 450 RMP. It is a Chinese Manufacture – Zhejiang Jinlun Electric Hydraulic Turbine Serial #213.
6. The plant is automated and is not used for peaking.
7.
 - i. The average annual generation in kW hours is 1,600,000 kwh or 1,600 Mwh.
 - ii. The average head of the plant is 72 feet.
 - iii. The hydraulic capacity of the plant (flow through the plant) is 40-80 cfs.
 - iv. The average flow of the conduit at the plant at the point of diversion is 65-75 cfs.
 - v. The average amount of flow at the point of diversion that is available for power generation is 90%.
8. Construction of the plant began February 2010 and was completed in August 2010.

9. The facility does not discharge directly into a natural body of water, but returns water to the irrigation canal.
10. Both the Generator/Turbine and existing concrete chute discharge into a concrete stilling basis where the water is divided into the Golden Gate and Arena Canal.
11. No dam or reservoir was constructed for this project.

EXHIBIT E: ENVIRONMENTAL REPORT

The facility is located in the same location as approved in the Exemption. Since the time of the Exemption, there has been no changes in the environmental setting in the vicinity of the facility. The Arena Drop is located in an area surrounded entirely by irrigated agricultural lands. To the extent that there are any non-irrigated lands in the area, it is sagebrush. There are no fish and wildlife resources in the conduit. No threatened or endangered species exist in the area of the conduit and the conduit is not within critical habitat of any threatened or endangered species. There are no sites eligible for inclusion on the National Register of Historic Places in the vicinity of the facility.

This application for amendment is a non-capacity amendment under 18 C.F.R.

§ 4.201(b). The change does not modify the flow regime associated with the project.

EXHIBIT F: STRUCTURAL DRAWINGS

Please see attached engineering drawings.

EXHIBIT G: MAP OF PROJECT AND BOUNDARY

Please see attached vicinity map.

Attached hereto is an appendix containing a copy of the deed showing the applicant's real property interest under Section 4.31(b).

This Project is on a conduit operated and maintained by the Boise Project Board of Control to deliver water to landowners within the Wilder Irrigation District. No Indian tribes are affected by this Project.

DATED THIS 6th day of March, 2012.

BARKER ROSHOLT & SIMPSON LLP

By



Albert P. Barker



United States Department of the Interior

BUREAU OF RECLAMATION
Pacific Northwest Region
1150 North Curtis Road, Suite 100
Boise, Idaho 83706-1234



IN REPLY REFER TO:

PN-3511
PRJ-8.10
SN: ArenaDrop

MAR 08 2010

Mr. Paul Deveau
Boise Project Board of Control
2465 Overland Road
Boise, ID 83705-3155

Subject: Concrete Mix Designs -- Arena Drop Hydroelectric Project, ID (Wright Brothers Email of March 1, 2010)

Dear Mr. Deveau:

We acknowledge receipt of transmitted mix designs.

If you have any questions, you may contact Mr. John Billingsley at 208-378-5372.

Sincerely,

Brandt Demars, P.E.
Program Manager, Construction Engineering

Enclosure(s)

cc: Ted Sorenson, Sorenson Engineering, 5203 S 11th E, Idaho Falls, ID 83404-7692,
ted@tsorenson.net (w/encl)

Al Barker, Barker Rosholt & Simpson LLP, 1010 W. Jefferson St., Ste. 102, Boise,
Idaho 83702-5453, apb@idahowaters.com (w/ encl)

✓Dennis Daugherty, Riverside Inc. 111 S Roswell Blvd, Parma, ID 83660 (w/ encl)

Tim Peppersack, Wright Brothers Construction, PO Box 637, Eagle, ID 83616 (w/encl)

From: Billingsley, John M [<mailto:JBillingsley@usbr.gov>]
Sent: Tuesday, March 16, 2010 9:09 AM
To: Ted Sorenson; Ross, Robert W; 'dennis@rsicorp.net'; 'Paul Deveau (pdeveau@boiseproject.org)'
Cc: Demars, Brandt; Billingsley, John M; DeHerrera, Steve G; Rhodes, Ronald E; Lopez-Owsley, Eduardo
Subject: Arena Drop: Connection Between New and Existing Intakes

Details on the connection between the new and existing intake structure seem to be lacking on the construction drawings. There have also been several changes from the construction drawings as the result of conditions found in the field, or the use of optional equipment.

As a minimum, hydrophilic water stop should be used at all contacts between the existing intake concrete and the new concrete. The water stop should also be used between any "filler" concrete and the new intake structure (filler wall between the existing intake structure left wing wall and the new intake structure right wing wall, filler slab between the existing intake structure slab and the new weir wall and intake structure).

As a maximum, dowels should be installed (drilled and epoxied) and the structures "tied" together, along with the hydrophilic water stop. Nominal thickness of members may impact the effectiveness of drilling and epoxying dowels.

Dennis Daugherty has stated that lean concrete will be used for backfill in the area below the filler slab and in the wedged shape area between the wing walls of the existing and new intake structure. This backfilling method may have some bearing on the decision on how to connect the structures.

John M. Billingsley, PE
Field Engineer, Construction Engineering Group
Pacific Northwest Region, Bureau of Reclamation

Kellie Marshall

From: Kellie Marshall
Sent: Friday, June 03, 2011 12:42 PM
To: 'apb@idahowaters.com'
Cc: Douglas Johnson; Edward Perez; 'John.falk@ldwr.idaho.gov';
'Cindy.robertson@idfg.idaho.gov'; 'don_steffeck@fws.gov'; 'estyn_mead@fws.gov';
'dennis@rsicorp.net'; 'pdeveau@boiseproject.org'
Subject: Notification of the Operation Inspection for the Arena Drop Project FERC No. 4858 - June 9, 2011 - 8am
Attachments: Inspection Preparation Form Draft.doc

Dear Mr. Barker:

This is to confirm our May 3, 2011 email correspondence with Messrs. Paul Deveau and Dennis Daugherty regarding the June 9, 2011 operation inspection of the Arena Drop Project, FERC No. 4858. I will meet project staff at the project at 8 a.m. on June 9th.

Prior to the inspection, please review the enclosures provided in our May 20, 2011 letter to you. As appropriate, spillway gate tests, emergency action plans (EAPs), minimum flows, and other matters referenced in the enclosures will be discussed. Also, the attached inspection preparation form (IPF) is to be completed on a voluntary basis, as appropriate, by you and your staff prior to the inspection. If completed, the IPF will facilitate your preparation for the FERC inspection and will be discussed further throughout the inspection and close-out meeting.



Inspection
Preparation Form Draft

I will be reviewing your security measures to determine if reasonable measures are in place. Please be prepared to review and discuss your security measures at the time of the inspection, including ensuring that the proper documentation and security personnel are available at the time of the inspection.

This email is being sent in lieu of a letter. The appropriate agencies listed below were courtesy copied and advised of the inspections and are requested to notify me at (503) 552-2726, prior to the inspections, if they plan to attend. Please note that agency representatives will be excused prior to security discussions.

Sincerely,

Kellie A. Marshall

Federal Energy Regulatory Commission
Division of Dam Safety and Inspections
Fox Tower
805 SW Broadway, Suite 550
Portland, Oregon 97205

Office: 503.552.2726
Fax: 503.552.2799

JOE
EP
BJS
KAM

Mr. John Falk
Bureau Chief
Idaho Department of Water Resources
322 E. Front Street
P.O. Box 83720
Boise, ID 83720-0098
John.falk@idwr.idaho.gov

Mr. Estyn Mead
FERC Coordinator
U.S. Fish & Wildlife Service
911 N.E. 11th Avenue
Portland, OR 97232-4181
estyn_mead@fws.gov
(503) 231-2012
cc: Don Steffeck
don_steffeck@fws.gov

Ms. Cindy Robertson
Natural Resource Program Coordinator
Idaho Department of Fish and Game
P.O. Box 25
Boise, ID 83707
Cindy.robertson@idfg.idaho.gov

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-33329

Priority: January 08, 2010

Maximum Diversion Rate: 80.00 CFS

This is to certify, that BOISE PROJECT BOARD OF CONTROL
2465 OVERLAND RD
BOISE ID 83705

has applied for a permit to appropriate water from:

Source: BOISE RIVER

Tributary: SNAKE RIVER

and a permit is APPROVED for development of water as follows:

BENEFICIAL USE

POWER

PERIOD OF USE

03/15/11 to 10/31

RATE OF DIVERSION

80.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

BOISE RIVER

NW 1/4 SW 1/4

Sec. 3, Twp 02N, Rge 03E, B.M., ADA County

PLACE OF USE: POWER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
04N	05W	5	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
				X															

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **September 01, 2013**.
2. Subject to all prior water rights.
3. This right does not grant any right-of-way or easement across the land of another.
4. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
5. The Director retains jurisdiction of this right in order to limit the use of water for hydropower generation purposes to a specific term of years as required by Section 42-203B(7), Idaho Code.
6. This right is subject to the provisions of Sections 42-205 through 42-210, Idaho Code, restricting the sale, transfer, assignment, or mortgage of this right. Failure to comply with these provisions is cause for immediate cancellation of this right.
7. This right does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.
8. Use of water under this right shall be non-consumptive.

Page 2

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-33329

9. The rights for the use of water acquired under this right shall be junior and subordinate to all other rights for the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this right and shall not give rise to any claim against any future rights for the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
10. Prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.
11. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 63, Boise River.
12. The right holder shall install a measuring device that can be used to determine the instantaneous rate of flow of water through the power system.
13. Project location is the Golden Gate Canal Arena Drop.
14. This water right does not convey any authority to require or demand release of water but shall only be effective to allow generation of hydroelectricity using water released under existing rights and operating procedures for irrigation purposes.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 15th day of September, 20 10.


JOHN WESTRA Western Regional Manager

LEGEND

- UTILITY POLE
- GATE OR FENCE POST
- SURVEY CONTROL POINT
- MONITORING WELL
- TELEPHONE PED.
- SURFACE WATER FLOW DIRECTION
- DRILL OR TEST HOLE
- SPOT ELEVATION (GRAVING)
- STRUCTURE ELEVATION
- PROJECT BENCH MARK
- US BOR INSTRUMENTATION POINT
- SLOPE DIRECTION INDICATOR

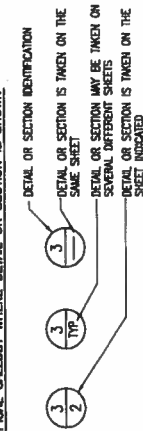
- FEATURE LINE
- HIDDEN FEATURE LINE
- SECTION LINE
- CENTERLINE
- EXISTING 5-FOOT CONTOUR
- EXISTING 1-FOOT CONTOUR
- FENCE LINE
- OVERHEAD POWER LINE

DETAIL & SECTION DESIGNATION

TYPICAL CALLOUT WHERE DETAIL OR SECTION IS TAKEN



TYPICAL CALLOUT WHERE DETAIL OR SECTION IS SHOWN



ABBREVIATIONS

- AB ANCHOR BOLT
- AC ASPHALTIC CONCRETE
- ADD ADDITIONAL
- AL ALUMINUM
- APPROX APPROXIMATE
- BC BOTTOM OF CURB OR BOLT CIRCLE
- BLOG BUILDING
- BM BENCH MARK
- BOT BOTTOM
- BVC BEGIN VERTICAL CURVE
- C CONDUIT
- CI CAST IRON
- CISP CAST IRON SOIL PIPE
- CJ CONSTRUCTION JOINT
- CL CENTERLINE
- CLR CLEAR
- CMC CORRUGATED METAL PIPE
- CMU CONCRETE MASONRY UNIT
- CONN CONNECT OR CONNECTION
- CONST CONSTRUCTION
- CONT CONTINUATION
- CPG CORPORATION
- CTR COUPLER
- CU CENTER
- CW CUBIC
- CW COLD WATER
- CF CUBIC FEET
- D DRAIN
- DI DUCTILE IRON
- DIU DUCTILE IRON MECHANICAL JOINT
- DET DETAIL
- DIA DIAMETER
- DIM DIMENSION
- DMG DRAWING
- E EAST
- EA EACH
- EF EACH FACE
- EFF EFFLUENT
- EG EXISTING GRADE
- ELB ELBOW
- ELEC ELECTRICAL
- EQU EQUIPMENT
- END END VERTICAL CURVE
- EW EACH WAY
- EWEF EACH WAY EACH FACE
- EXP EXPANSION OR EXPAND
- EXT EXISTING
- EXT EXTERIOR
- F FENCE
- FCA FLANGED COUPLING ADAPTER
- FT FINISHED FLOOR
- FT FINISH GRADE
- FLEX FLEXIBLE
- FL FLOW LINE
- FLG FLANGE
- FM FORCE MAIN
- FIN FINISH
- FT FOOT OR FEET
- FTG FOOTING OR FITTING
- FUT FUTURE
- GAV GALVANIZED
- CD CALV
- CD GROUND
- HORIZ HORIZONTAL
- HW HOW WATER
- IE INERT ELEVATION
- INF INFLUENT
- INV INVERT
- INT INTERIOR OR INTERSECTION
- L LENGTH
- LB POUND
- LF LINEAL FEET
- LG LONG
- LG MATERIAL
- MAX MAXIMUM
- MECH MECHANICAL
- MFR MANUFACTURER
- MH MAN HOLE
- MIN MINIMUM
- MJ MECHANICAL JOINT
- N NORTH
- NC NOT IN CONTRACT
- NO NUMBER
- NTS NOT TO SCALE
- OC ON CENTER
- OPNG OPENING
- PC POINT OF CURVE
- PT POINT OF TANGENT
- PCF POUNDS PER CUBIC FOOT
- PEN PENETRATION
- PE PLAN END
- PERF PERFORATED
- PI POINT OF INTERSECTION
- PJ PREMOULDED JOINT FILLER
- PL PLATE
- PL PANEL
- PLC POINT OF REVERSE CURVE
- PPS PRESSURE
- PSP POUNDS PER SQUARE FOOT
- PUD PUBLIC UTILITY DISTRICT
- PVC POLYVINYL CHLORIDE
- RAD RADIUS
- RCP REINFORCED CONCRETE PIPE
- RD ROAD
- REIN REINFORCING
- REMA REMOVED
- RECD REQUIRED
- RM ROOM
- ROW RIGHT OF WAY
- SCH SCHEDULE
- SS SUB GRADE
- SH OR SHIT SHEET
- SMIL SIMILAR
- SL OR S SLOPE
- SPEC SPECIFICATION
- SO SQUARE
- SS STAINLESS STEEL
- STA STATION
- STD STANDARD
- STL STEEL
- SYM SYMBOL
- T TANGENT
- T&B TOP & BOTTOM
- TBD TO BE DETERMINED
- TC TOP OF CURVE
- THK THICK OR THICKNESS
- THRU THROUGH
- TYP TYPICAL
- UD UNDER DRAIN
- VERT VERTICAL
- VPI VERTICAL POINT OF INTERSECTION
- W WATER LINE
- W WITH
- W/O WITHOUT
- WS WELDED STEEL
- WWF WELDED WIRE FABRIC
- WHM WELDED WIRE MESH
- YD YARD

- INTERIOR OR INTERSECTION
- LENGTH
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- MAXIMUM
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- WELDED WIRE MESH
- YARD

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- SMIL
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- SLOPE
- SPECIFICATION
- SQUARE
- STAINLESS STEEL
- STATION
- STANDARD
- STEEL
- SYMBOL
- TANGENT
- TOP & BOTTOM
- TO BE DETERMINED
- TOP OF CURVE
- THICK OR THICKNESS
- THROUGH
- TYPICAL
- UNDER DRAIN
- VERTICAL
- VERTICAL POINT OF INTERSECTION
- WATER LINE
- WITH
- WITHOUT
- WELDED STEEL
- WELDED WIRE FABRIC
- WELDED WIRE MESH
- YARD

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- POUND
- LINEAL FEET
- LONG
- MATERIAL
- MAXIMUM
- MECHANICAL
- MANUFACTURER
- MAN HOLE
- MINIMUM
- MECHANICAL JOINT
- NORTH
- NOT IN CONTRACT
- NUMBER
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- ON CENTER
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- PENETRATION
- PLAN END
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- POINT OF INTERSECTION
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- PANEL
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- PRESSURE
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- ROAD
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- REMOVED
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GENERAL NOTES (UNLESS OTHERWISE SPECIFIED)

1. ALL INSTRUCTIONS AND SPECIAL CONDITIONS CONTAINED IN THE "NOTICE TO PROCEED" AND THE CONSTRUCTION DETAILS SHOWN ON THIS PLAN SET SHALL BE STRICTLY ADHERED TO BY RIVER SIDE CONTRACTOR. ANY DEVIATION FROM THESE PLANS AND SPECIFICATIONS IN AREAS OF CONSTRUCTION DEVIATIONS TO THESE PLANS WILL VOID ANY AND ALL ENGINEERS LIABILITY THAT MAY BE APPLICABLE WITH RESPECT TO OPERATION, FUNCTION AND PERSONNEL SAFETY.
2. THE CONSTRUCTION METHODS AND MATERIALS SHALL MEET THE STANDARDS OF THE STATE OF CALIFORNIA. THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE CONFLICT. THE DECISION OF THE ON-SITE PROJECT ENGINEER SHALL APPLY UNLESS OTHERWISE DIRECTED BY RIVER SIDE INCORPORATED.
3. VERIFY THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES, POSSIBLE PRELINES OR ELECTRICAL SERVICE AND WATERLINES TO IDENTIFY POSSIBLE AREAS OF CONFLICTS AND TO PREVENT DAMAGE TO SUCH UNDERGROUND UTILITIES. UNDERGROUND UTILITIES. THE ACTUAL LOCATIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION ACTIVITIES.
4. GRADE ALL DISTURBED OR CUT AND FILLED AREAS ON SITE, AFTER CONSTRUCTION, WITH A UNIFORM SLOPE THAT WILL DRAIN WITHOUT PONDING OR DAMAGE TO EITHER ON-SITE OR OFF-SITE PROPERTY IMPROVEMENTS. GRADE ALL DISTURBED OR CUT AND FILL AREAS ON THE EXISTING DAM EMBANKMENT TO MATCH THE EXISTING ADJOINING EMBANKMENT FINISHED GRADE SLOPE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN AS-CONSTRUCTED DRAWING RECORD AS A CONDITION OF THE "PERMIT TO CONSTRUCT" FOR THIS PROJECT. THE ENGINEER SHALL PROVIDE ONE ADDITIONAL SET OF DRAWINGS TO THE CONTRACTOR FOR THIS PURPOSE. THE AS-CONSTRUCTED DRAWING RECORD SHALL INDICATE ALL CHANGES OR DEVIATIONS FROM THE ENGINEERS DESIGN AS SHOWN ON THESE PLANS. APPROVED CHANGES OF UTILITIES, MATERIALS AND METHODS ON THESE AS-CONSTRUCTED PLANS AND DRAWINGS SHALL BE DAILY NOTED ON THESE AS-CONSTRUCTED DRAWINGS AND THE DEVIATIONS OF CONSTRUCTION FROM THE APPROVED CONSTRUCTION DRAWINGS AS WELL AS ALL FIELD VERIFIED LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED SHALL BE NOTED. THE AS-CONSTRUCTED DRAWINGS SHALL BE KEPT UP-TO-DATE AT ALL TIMES AND AVAILABLE FOR ONLY INSPECTIONS BY RIVER SIDE. AT INCORPORATED PROJECT START, OR THE ON-SITE PROJECT ENGINEER SHALL BE REQUIRED TO THE ENGINEER ALONG WITH A "STATEMENT OF COMPLETION IN ACCORDANCE WITH THE AS-CONSTRUCTED DRAWINGS".
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, SUPERVISING, AND COMPLYING WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH ALL REGULATIONS AND REQUIREMENTS OF THE TOLEDO DISTRICT.
7. SHOP DRAWINGS, INCLUDING SUPPLIERS MANUFACTURERS DRAWINGS, DATA SHEETS, CATALOG CUTS, BROCHURES OR OTHER PRINTED INFORMATION THAT CLEARLY DESCRIBES THE ITEM PROPOSED FOR USE AND ITS INSTALLATION CONFIGURATION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND ACCEPTANCE FOR ALL SPECIFIED EQUIPMENT AND MATERIALS PRIOR TO SITE DELIVERY. THIS INCLUDES, BUT IS NOT LIMITED TO BUILDING AND CRANE SYSTEMS, CONTROL PANELS, ELECTRICAL CABINETS, ELECTRICAL MISCELLANEOUS HARDWARE.

NOTES (UNLESS OTHERWISE SPECIFIED)

51. SCOPE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE CONFLICT. THE DECISION OF THE ON-SITE PROJECT ENGINEER SHALL APPLY UNLESS OTHERWISE DIRECTED BY RIVER SIDE INCORPORATED.
52. APPLICABLE SPECIFICATIONS AND CODES: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE UNIFORM BUILDING CODE. THE ABOVE SHALL GOVERN EXCEPT WHERE SHOWN OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOLEDO DISTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOLEDO DISTRICT.
53. ALTERNATIVE DESIGNS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE CONFLICT. THE DECISION OF THE ON-SITE PROJECT ENGINEER SHALL APPLY UNLESS OTHERWISE DIRECTED BY RIVER SIDE INCORPORATED.
54. DIMENSIONS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE CONFLICT. THE DECISION OF THE ON-SITE PROJECT ENGINEER SHALL APPLY UNLESS OTHERWISE DIRECTED BY RIVER SIDE INCORPORATED.
55. PROVISIONS FOR EQUIPMENT: MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, TIE-BOLTS, AND OTHER DETAILS SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.
56. CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON COMPLETION OF CONSTRUCTION. EXCESSIVE LOADS MAY OCCUR DURING CONSTRUCTION. THE STRUCTURES SHALL BE PROTECTED BY BRACING AND SHORING WHEREVER EXCESSIVE LOADS MAY OCCUR.
57. DRAINAGE SURFACES: SLOPE DRAINAGE SURFACES UNIFORMLY TO DRAIN. SLOPE SHALL BE 1/4" PER FOOT EXCEPT WHERE OTHERWISE NOTED OR SHOWN ON THE PLAN.
58. FLOOR DRAINS & FLOOR GRATES: SEE MECHANICAL DRAWINGS FOR SIZE AND TYPES.

ALUMINUM NOTES (UNLESS OTHERWISE SPECIFIED)

- A1. APPLICABLE CODE: ALUMINUM CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ALUMINUM CONSTRUCTION MANUAL OF THE ALUMINUM ASSOCIATION.
- A2. MATERIAL: UNLESS OTHERWISE SPECIFIED, STRUCTURAL ALUMINUM SHALL BE ALLOY 6061-T6 AS SPECIFIED IN ASTM B-308.
- A3. ALUMINUM IN CONTACT WITH CONCRETE: WHERE ALUMINUM IS IN CONTACT WITH CONCRETE OR MASONRY SURFACES, THE CONTACT SURFACES SHALL BE COATED WITH HEAVY ALKALI RESISTANT BITUMINOUS PAINT.

STRUCTURAL STEEL (UNLESS OTHERWISE SPECIFIED)

- S1. APPLICABLE CODE: STEEL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS PRESENTED IN THE LATEST EDITION OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION.
- S2. MATERIALS: ALL STRUCTURAL SHAPES, PLATES AND SHEETS INDICATED ON THE DRAWINGS SHALL BE CARBON STEEL MEETING THE REQUIREMENTS OF ASTM A36, ASTM A529 OR AS NOTED ON THE PLAN SHEETS.
- S3. WELDING: WELDING SHALL CONFORM TO THE AMERICAN WELD SOCIETY SPECIFICATIONS FOR STRUCTURAL WELDING. INSPECTION AND NON-DESTRUCTIVE TESTING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELD SOCIETY SPECIFICATIONS FOR STRUCTURAL WELDING. WELDING AND NON-DESTRUCTIVE TESTING SYMBOLS ARE IN ACCORDANCE WITH THE AWS A2.4-79, LATEST REVISION.
- S4. ENCASED STEEL: STEEL COMPLETELY ENCASED IN CONCRETE SHALL NOT BE GALVANIZED OR PAINTED AND SHALL HAVE A RUST FREE CLEAN SURFACE FOR CONCRETE. GALVANIZED ANCHOR BOLTS MAY BE PLACED IN CONCRETE.
- S5. PAINTING: ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS OR AS NOTED ON THE FABRICATION DRAWING SHEETS.

SPECIFICATIONS (UNLESS OTHERWISE SPECIFIED)

ARMED PIPE (HIGH DENSITY POLYETHYLENE) THE PIPE AND FITTINGS SHALL BE HIGH DENSITY POLYETHYLENE PIPE CONFORMING TO THE REQUIREMENTS OF ASTM D 1248 TYPE II, CLASS C, CATEGORY 3, GRADE P34, AS PER SUR 26. ALL JOINTS SHALL BE FUSION WELDED. ALL COMPRESSION JOINTS (MECHANICAL JOINTS AND SPOOLS) SHALL BE RATED FOR USE WITH CHLORINATED WATER. THE PIPE AND FITTINGS SHALL BE PROVIDED WITH AN APPROVED EQUAL CONTACT THE FUSION INDUSTRIAL PLASTICS CORP. IN WASHINGTON, WASHINGTON, (800) 634-5082 FOR SUPPLY SOURCE AND RENTAL OF FUSION EQUIPMENT REQUIRED.

EMBANKMENT REPAIR THE PORTION OF THE EXISTING DAM EMBANKMENT AND/OR EXISTING MAJOR MATERIALS THAT WILL BE EXCAVATED FOR THE CONSTRUCTION OF FEATURES ASSOCIATED WITH THIS PROJECT SHALL BE REPLACED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS PREPARED FOR THIS PROJECT. BACKFILL MATERIALS SHALL BE PLACED IN ACCORDANCE WITH THE PROJECT PLAN SHEETS. BACKFILL MATERIALS SHALL BE REPLACED WITH CLASS 2200 CONCRETE. THE REQUIRED COMPACTION IN PIPE ZONES SHALL BE 95% OF LABORATORY STANDARD MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557, CLASS C1. BACKFILL IN THE PIPE ZONE SHALL BE PLACED IN 6-INCH MAXIMUM THICK LIFT AND COMPACTED PRIOR TO THE PLACEMENT OF THE NEXT LIFT. COMPACTION ABOVE THE PIPE ZONE SHALL BE AS SHOWN ON THE PLAN SHEETS.

PRECAST CONCRETE MANHOLES AND CONCRETE STRUCTURES SHALL COMPLY WITH THE DETAILS SHOWN ON THE PLAN SHEETS AND BE IN ACCORDANCE WITH THE FOLLOWING: ALL PRECAST COMPONENTS SHALL CONFORM TO ASTM C478. MANHOLE WALL THICKNESS SHALL BE 5 INCHES. PROVIDE ECCENTRIC CONES UNLESS OTHERWISE SPECIFIED. WHERE CALLED FOR, MANHOLE STEPS SHALL BE THE DROP CENTER SAFETY TYPE AND CONCRETE FINISHED TO A 1/2 INCH RESISTANT RUBBER AND HAVING A VERTICAL LOAD RESISTANCE OF NOT LESS THAN 400 POUNDS AND A PULLOUT RESISTANCE OF NOT LESS THAN 1000 POUNDS. THE STEPS SHALL BE AS MANUFACTURED BY THE OLIN TIRE AND RUBBER COMPANY OF OAKLAND, CALIFORNIA, OR APPROVED EQUAL. THE DISTANCE FROM THE CENTERLINE OF THE STEP TO THE ADJACENT WALL SHALL NOT BE LESS THAN 7-INCHES.

MORTAR AND GROUT MIX FOR PRECAST MANHOLE AND STRUCTURES CONSTRUCTION MORTAR FOR MANHOLE CONSTRUCTION SHALL BE AS FOLLOWS: ONE PART PORTLAND CEMENT TO TWO PARTS OF CLEAN, WELL GRADED SAND WHICH WILL PASS THROUGH 1/8" SIEVE. MIXED WITH WATER TO A CONSISTENCY OF NOT MORE THAN 10 PERCENT. THE CONSISTENCY OF MORTAR SHALL BE SUCH THAT IT WILL READILY ADHERE TO THE CONCRETE SURFACES. MORTAR MIXED FOR LONGER THAN 30 MINUTES SHALL NOT BE USED.

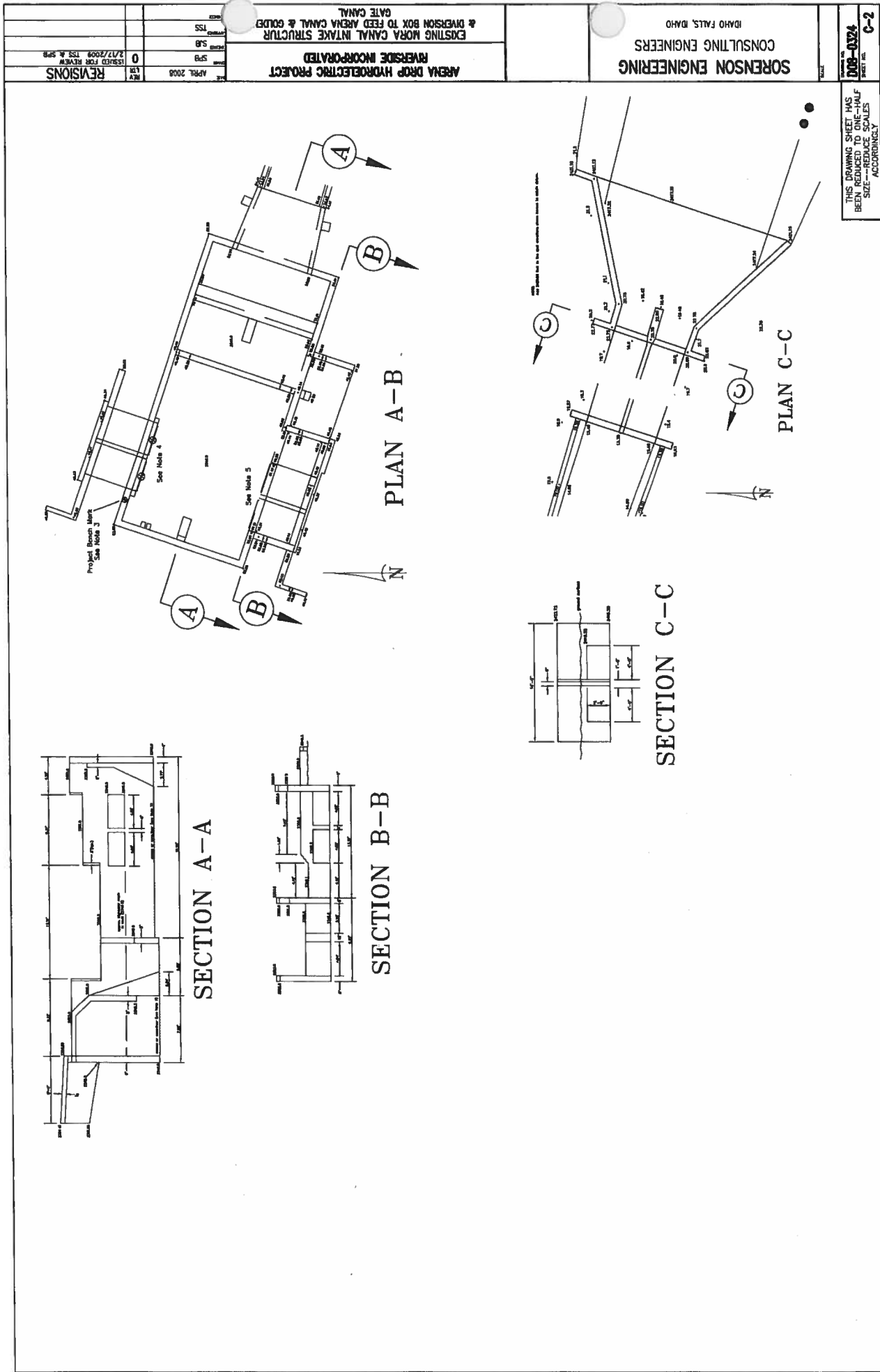
EROSION CONTROL FABRIC THE EROSION CONTROL FABRIC SHALL BE A BIODEGRADABLE NATURAL FIBER EROSION CONTROL FABRIC MANUFACTURED FROM UN-DYED AND UN-BLEACHED WOMEN JUTE MAT. THE MATERIAL SHALL HAVE A GRAB TENSILE OF 300 LBS/FT DRY AND 125 LBS/FT WET IN ACCORDANCE WITH ASTM D-4532. THE MATERIAL SHALL HAVE AN OPEN AREA OF 80 TO 85 PERCENT. THE MATERIAL SHALL BE 12 INCHES WIDE. THE EROSION CONTROL FABRIC SHALL BE TOTALLY BIODEGRADABLE WITHIN TWO YEARS. THE EROSION CONTROL FABRIC SHALL BE ANTI-WASH GRADE AS MANUFACTURED BY BELTON INDUSTRIES, 8613 ROSWELL ROAD, ATLANTA, GA. 30350 (800) 225-4099 OR APPROVED EQUAL.

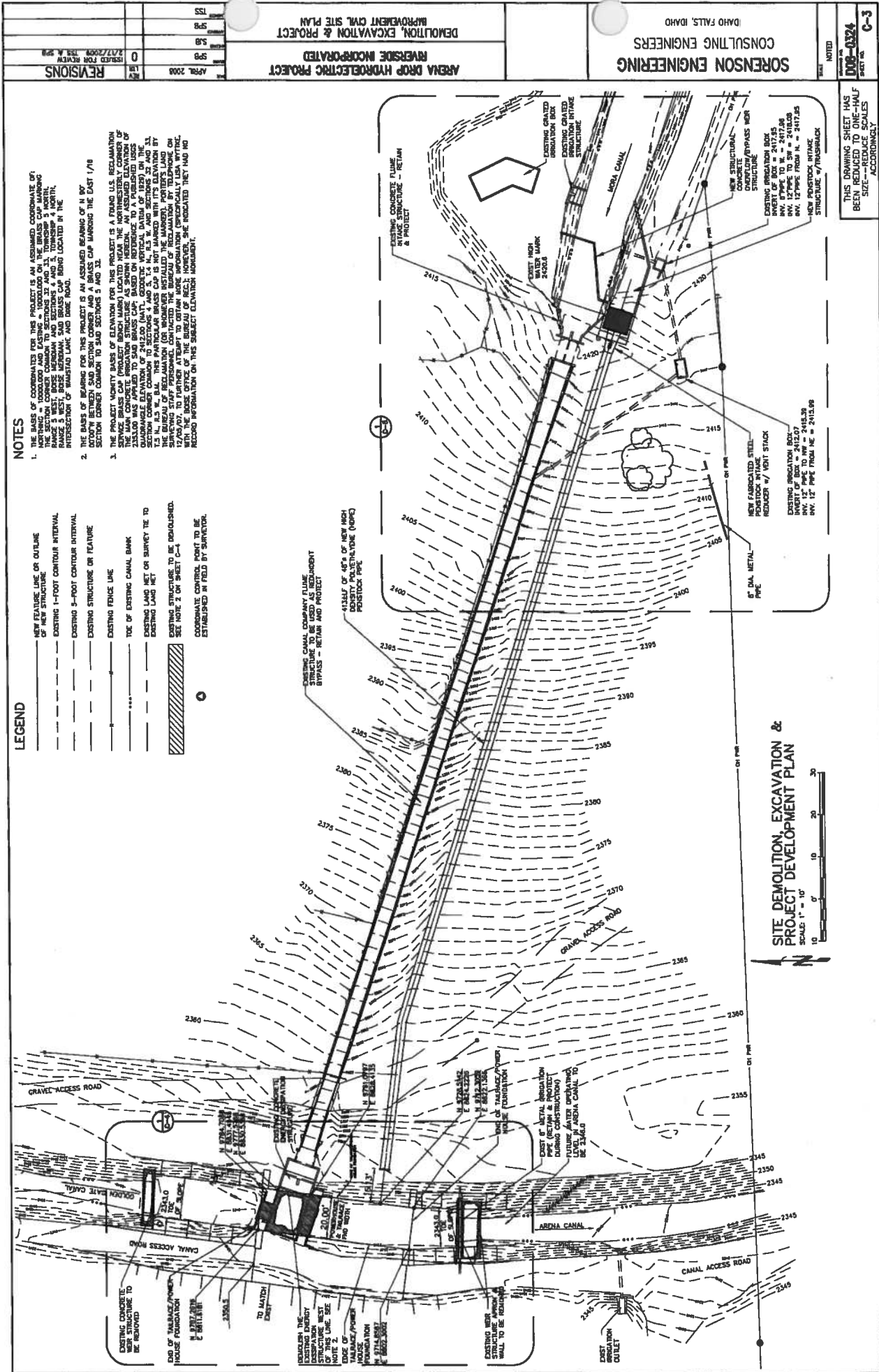
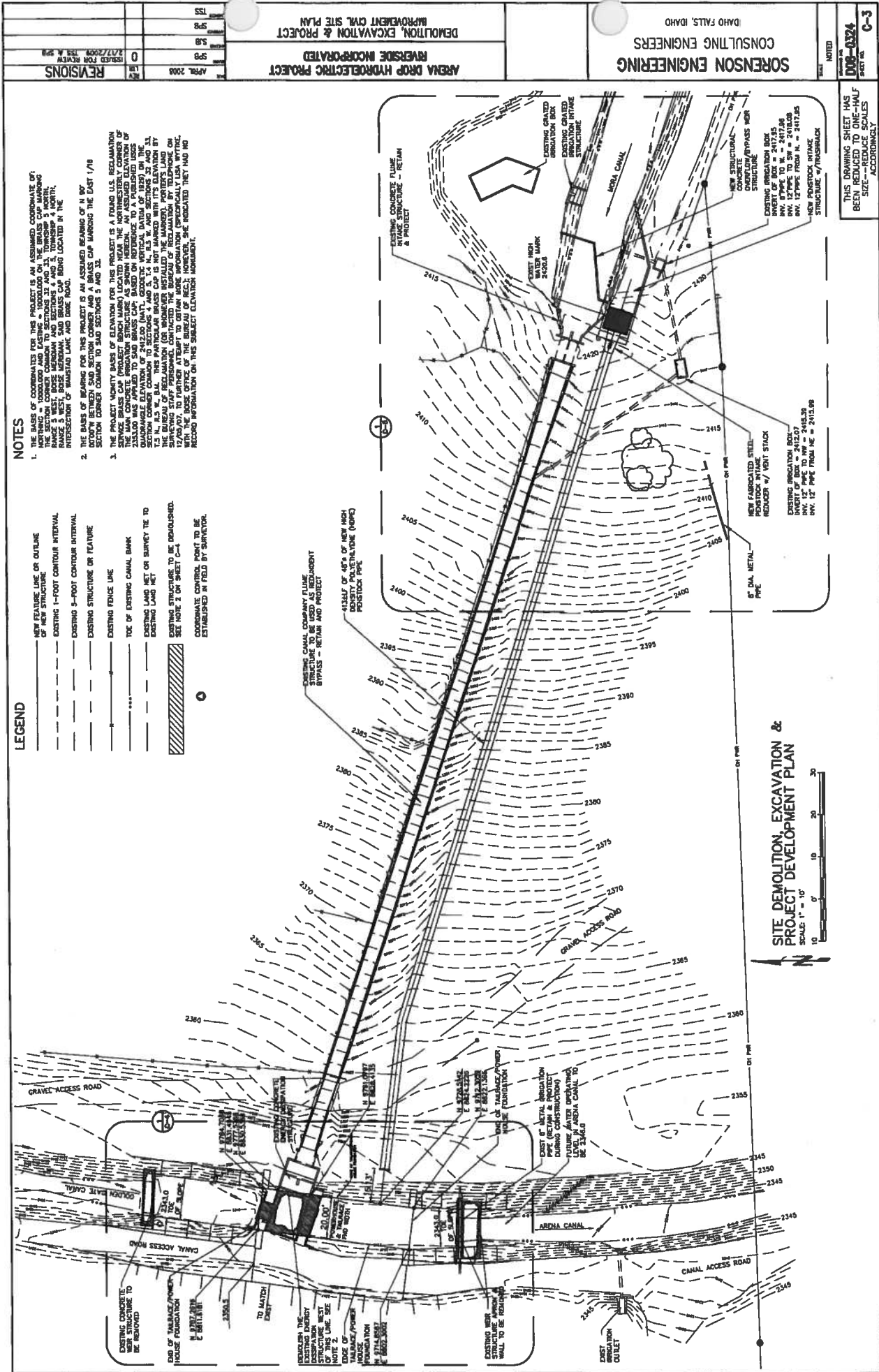
REVISIONS	DATE	BY	REVISIONS
0	APRIL 2008	RE	REVISIONS
1	2/17/2009	SS & SW	REVISIONS

GENERAL NOTES, NOTES & SPECIFICATIONS	DAVID FALLS, IDAHO
REVERSE INCORPORATED	CONSULTING ENGINEERS
ARMA DROP HYDROELECTRIC PROJECT	

NAME	DATE	SHEET NO.
NAME	08-0324	64-3

THIS DRAWING SHEET HAS BEEN REDUCED TO ONE-HALF SIZE FOR CONVENIENCE OF USE.





REVISIONS		AST-IN-PLACE CONCRETE SPECIFICATIONS (CONTINUED)		SORENSEN ENGINEERING CONSULTING ENGINEERS		IDMHO FALLS, IDAHO	
NO.	DATE	DESCRIPTION	BY	CHKD	DATE	BY	CHKD
1	5/23/2009	ISS # 519					
2	APRIL 2008						

THIS DRAWING SHEET HAS BEEN REDUCED TO ONE-HALF SIZE ACCORDINGLY

NOTED

D08-0324

PROJECT NO.

REVISIONS

ISS # 519

5/23/2009

1

AST-IN-PLACE CONCRETE SPECIFICATIONS (CONTINUED)

AST-IN-PLACE CONCRETE SPECIFICATIONS

SORENSEN ENGINEERING CONSULTING ENGINEERS

IDMHO FALLS, IDAHO

2.1. STRENGTH REQUIREMENTS

Concrete shall be placed and finished in accordance with the following requirements:

A. Minimum strength: 4,000 psi (27.6 MPa) for all concrete.

B. Maximum strength: 5,000 psi (34.5 MPa) for all concrete.

C. Minimum compressive strength: 4,000 psi (27.6 MPa) for all concrete.

D. Minimum tensile strength: 4,000 psi (27.6 MPa) for all concrete.

E. Minimum modulus of elasticity: 4,000 psi (27.6 MPa) for all concrete.

F. Minimum shrinkage: 4,000 psi (27.6 MPa) for all concrete.

G. Minimum creep: 4,000 psi (27.6 MPa) for all concrete.

H. Minimum durability: 4,000 psi (27.6 MPa) for all concrete.

I. Minimum resistance to chloride ion penetration: 4,000 psi (27.6 MPa) for all concrete.

J. Minimum resistance to sulfate attack: 4,000 psi (27.6 MPa) for all concrete.

K. Minimum resistance to acid attack: 4,000 psi (27.6 MPa) for all concrete.

L. Minimum resistance to alkali attack: 4,000 psi (27.6 MPa) for all concrete.

M. Minimum resistance to fire: 4,000 psi (27.6 MPa) for all concrete.

N. Minimum resistance to impact: 4,000 psi (27.6 MPa) for all concrete.

O. Minimum resistance to abrasion: 4,000 psi (27.6 MPa) for all concrete.

P. Minimum resistance to scaling: 4,000 psi (27.6 MPa) for all concrete.

2.2. PLACEMENT AND FINISHING

Concrete shall be placed and finished in accordance with the following requirements:

A. Placement: Concrete shall be placed in a single lift or in two lifts, as determined by the engineer.

B. Finishing: Concrete shall be finished with a trowel.

C. Curing: Concrete shall be cured with a curing compound.

D. Protection: Concrete shall be protected from damage during placement and finishing.

E. Temperature: Concrete shall be placed at a temperature of 40°F (4°C) or higher.

F. Wind: Concrete shall be placed in a wind speed of 10 mph or less.

G. Rain: Concrete shall be placed in a rain rate of 0.1 inch or less.

H. Snow: Concrete shall be placed in a snow depth of 2 inches or less.

I. Ice: Concrete shall be placed in a ice thickness of 0.5 inches or less.

J. Frost: Concrete shall be placed in a frost depth of 12 inches or less.

K. Thaw: Concrete shall be placed in a thaw depth of 12 inches or less.

L. Freeze-Thaw: Concrete shall be placed in a freeze-thaw depth of 12 inches or less.

M. Salt: Concrete shall be placed in a salt depth of 12 inches or less.

N. De-icing: Concrete shall be placed in a de-icing depth of 12 inches or less.

O. Snowmelt: Concrete shall be placed in a snowmelt depth of 12 inches or less.

P. Ice Melt: Concrete shall be placed in an ice melt depth of 12 inches or less.

2.3. TESTING

Concrete shall be tested in accordance with the following requirements:

A. Compressive strength: 4,000 psi (27.6 MPa) for all concrete.

B. Tensile strength: 4,000 psi (27.6 MPa) for all concrete.

C. Modulus of elasticity: 4,000 psi (27.6 MPa) for all concrete.

D. Shrinkage: 4,000 psi (27.6 MPa) for all concrete.

E. Creep: 4,000 psi (27.6 MPa) for all concrete.

F. Durability: 4,000 psi (27.6 MPa) for all concrete.

G. Resistance to chloride ion penetration: 4,000 psi (27.6 MPa) for all concrete.

H. Resistance to sulfate attack: 4,000 psi (27.6 MPa) for all concrete.

I. Resistance to acid attack: 4,000 psi (27.6 MPa) for all concrete.

J. Resistance to alkali attack: 4,000 psi (27.6 MPa) for all concrete.

K. Resistance to fire: 4,000 psi (27.6 MPa) for all concrete.

L. Resistance to impact: 4,000 psi (27.6 MPa) for all concrete.

M. Resistance to abrasion: 4,000 psi (27.6 MPa) for all concrete.

N. Resistance to scaling: 4,000 psi (27.6 MPa) for all concrete.

2.4. QUALITY CONTROL

Concrete shall be tested in accordance with the following requirements:

A. Compressive strength: 4,000 psi (27.6 MPa) for all concrete.

B. Tensile strength: 4,000 psi (27.6 MPa) for all concrete.

C. Modulus of elasticity: 4,000 psi (27.6 MPa) for all concrete.

D. Shrinkage: 4,000 psi (27.6 MPa) for all concrete.

E. Creep: 4,000 psi (27.6 MPa) for all concrete.

F. Durability: 4,000 psi (27.6 MPa) for all concrete.

G. Resistance to chloride ion penetration: 4,000 psi (27.6 MPa) for all concrete.

H. Resistance to sulfate attack: 4,000 psi (27.6 MPa) for all concrete.

I. Resistance to acid attack: 4,000 psi (27.6 MPa) for all concrete.

J. Resistance to alkali attack: 4,000 psi (27.6 MPa) for all concrete.

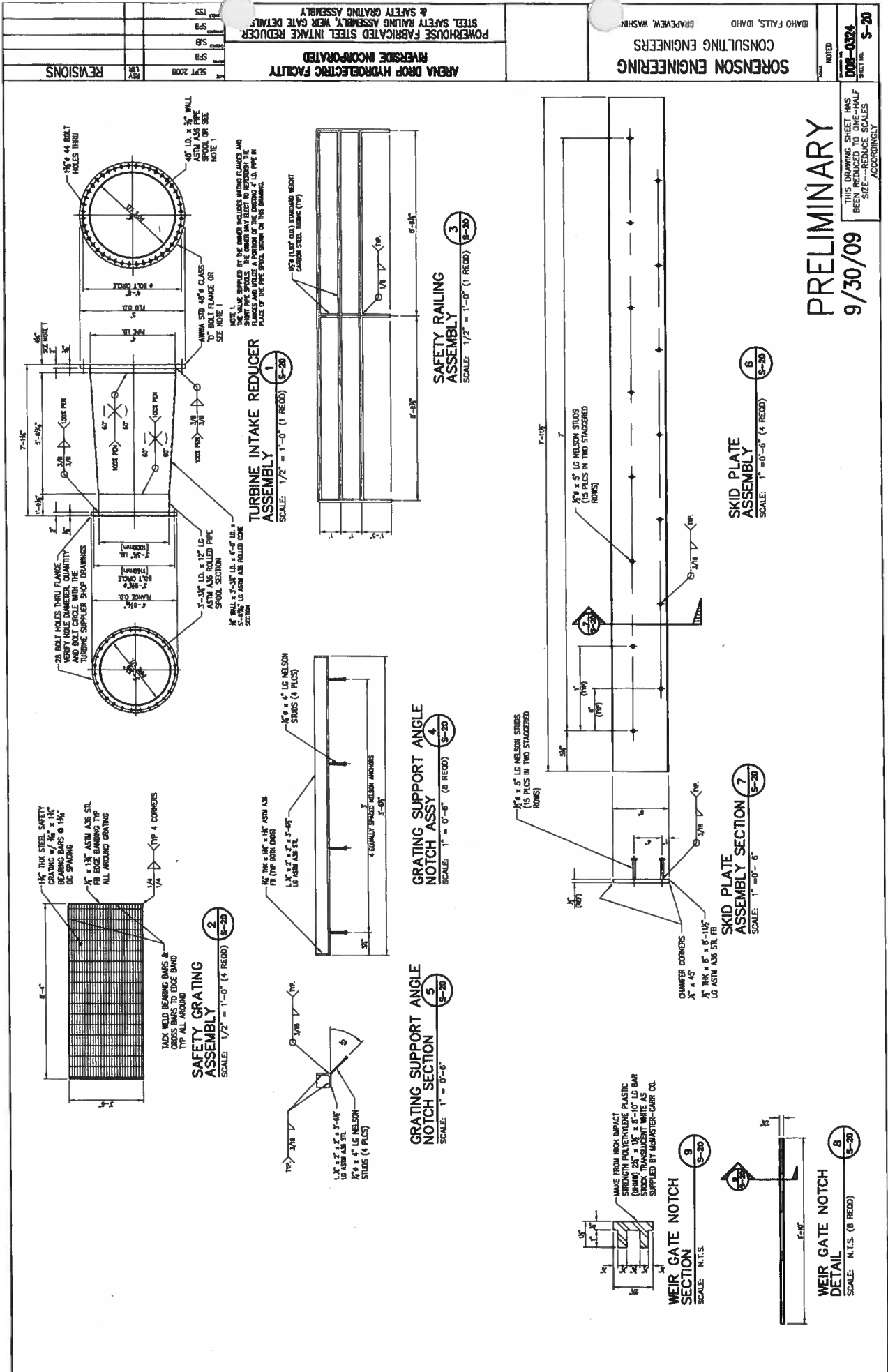
K. Resistance to fire: 4,000 psi (27.6 MPa) for all concrete.

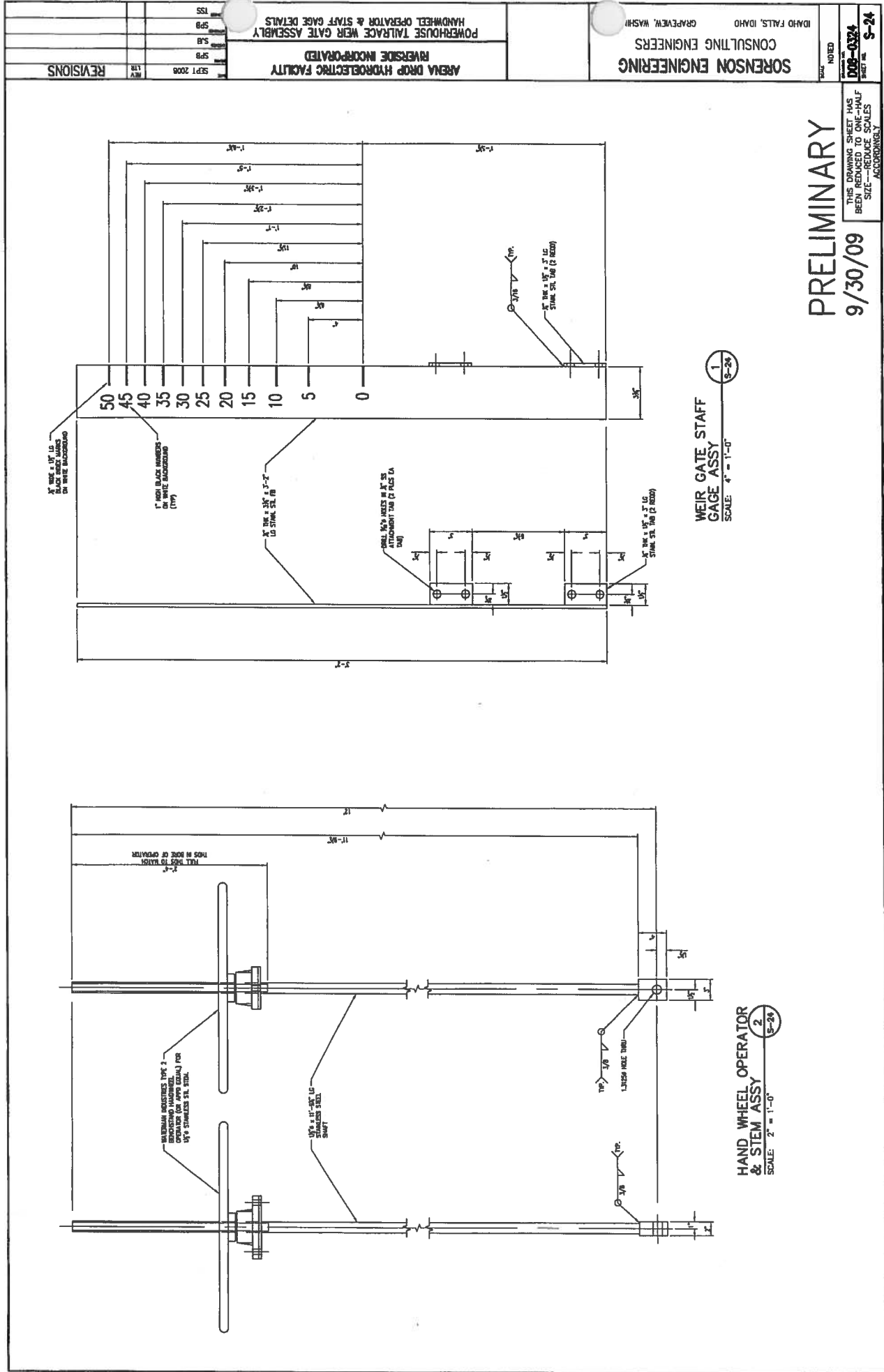
L. Resistance to impact: 4,000 psi (27.6 MPa) for all concrete.

M. Resistance to abrasion: 4,000 psi (27.6 MPa) for all concrete.

N. Resistance to scaling: 4,000 psi (27.6 MPa) for all concrete.

105 OF 105







610 South Kimball Avenue / Caldwell, Idaho
83605 / (208) 459-1651

REQUEST
TYPE Fee - \$0
PIONEER TITLE COMPANY
BY *William H. Hurst*
CANYON COUNTY RECORDER

2007 MAY 24 PM 4 18

RECORDED

2007036143

200705004

WARRANTY DEED

For Value Received **Donna M. Weston, a married woman as her sole and separate property**

hereinafter referred to as Grantor, does hereby grant, bargain, sell, warrant and convey unto

Boise Project Board of Control, a quasi-municipal nonpolitical subdivision of the State of Idaho

hereinafter referred to as Grantee, whose current address is 2465 Overland Road, Boise ID 83705
the following described premises, to-wit:

SEE EXHIBIT A ATTACHED HERETO AND MADE A PART HEREOF

To HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee, his heirs and assigns forever. And the said Grantor does hereby covenant to and with the said Grantee, that Grantor is the owner in fee simple of said premises; that said premises are free from all encumbrances except current years taxes, levies, and assessments, and except U.S. Patent reservations, restrictions, easements of record, and easements visible upon the premises, and that Grantor will warrant and defend the same from all claims whatsoever.

Dated: May 24, 2007

Donna M. Weston

Donna M. Weston

State of Idaho

ss.

County of Canyon

On this 24 day of March, 2007, before me, the undersigned, a Notary Public, in and for said State, personally appeared Donna M. Weston, known to me, and/or identified to me on the basis of satisfactory evidence, to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same.

WITNESS MY HAND AND OFFICIAL SEAL



Kathy McDonald

Notary Public Kathy McDonald
Residing at: Caldwell
Commission Expires: 5/27/11

EXHIBIT A

A parcel of land located in a portion of the Northeast Quarter, Section 5, Township 4 North, Range 5 West, Boise Meridian, Canyon County, Idaho and described as follows:

BASIS OF BEARING being the West line of said Northeast Quarter of said Section 5 derived from found monuments and taken as North 00° 29' 43" East

COMMENCING at the Northwest corner of the said Northeast Quarter; thence
South 00° 29' 43" West a distance of 452.00 feet to a point; thence
South 89° 29' 38" East a distance of 187.36 feet to a point on the Northeasterly right-of-way of the Arena canal; thence along said Northeasterly right-of-way of the Arena Canal
North 19° 03' 26" West a distance of 33.05 feet to a point; thence
North 04° 03' 26" West a distance of 149.22 feet to the **REAL POINT OF BEGINNING**; thence continuing along said Northeasterly right-of-way
North 04° 04' 47" West a distance of 38.83 feet to a point on the centerline of the Golden Gate Chute; thence leaving said Northeasterly right-of-way;
South 71° 33' 00" East a distance of 424.53 feet along the centerline of the Golden Gate Chute to a point; thence
South 72° 02' 00" East a distance of 50.00 feet along the centerline of the Golden Gate Canal to a point; thence leaving said Golden Gate centerline;
South 18° 27' 00" West a distance of 40.42 feet to a point; thence
North 71° 33' 00" West a distance of 397.94 feet to a point; thence
South 04° 03' 26" East a distance of 21.65 feet to a point; thence
North 71° 33' 00" West a distance of 60.00 feet to a point; thence
North 04° 03' 26" West a distance of 26.12 feet to the **REAL POINT OF BEGINNING**.

FEDERAL ENERGY REGULATORY COMMISSION
Washington, D. C. 20426

OFFICE OF ENERGY PROJECTS

Project Nos. 4858 and 5042—ID
Arena Drop & Fargo Drop # 1 projects
Boise Project Board of Control

December 6, 2011

Mr. Albert Barker
Barker Rosholt & Simpson LLP
1010 W. Jefferson, Suite 102
Boise, ID 83701

Subject: Need for Amendment of Exemption (Conduit)

Dear Mr. Barker:

This is a follow up to our previous correspondence regarding your proposed changes to the Fargo Drop #1 project, a conduit exemption with FERC project No. 5042. The Exemptee for the project is proposing to build the project with an installed capacity of 1,100 kilowatts (kW) instead of the authorized 650 kW; the hydraulic capacity of the project would remain unchanged.

Regarding the Arena Drop project with FERC No. 4858, it has come to our attention that you have built it in 2010, with one 450-kW generating unit instead of the authorized two units with a total installed capacity of 540 kW. The changes and construction of this project were not coordinated with our Portland Regional Office.

Fargo Drop # 1 (P-5042)

In an email dated November 28, 2011, you informed us that you have completed the consultation with resource agencies, in accordance with 18 C.F.R. section 4.38 (a) (7) of the Commission's regulations. In the email you ask if the exemption holder needs any additional authorization from FERC in the way of an application for amendment of the exemption, and if an amendment is needed, to describe the process to follow.

On September 26, 2011, in an email response regarding the proposed changes, we informed you of the needed consultation before the filing of an

Project No. 4858 & 5042

- 2 -

amendment application. By email dated November 29, 2011, we informed you that since you have completed the required consultation, you need to include all your consultation correspondences with the agencies in your amendment application. The amendment application has to be prepared in accordance with 18 CFR section 4.96; it is also governed by section 4.92 regarding its contents, as needed.

Please, note that you can not start any construction activities without prior FERC authorization in the form of an order approving your amendment application.

Arena Drop (P-4858)

The construction of this project was completed with different configuration than authorized under the exemption and without any coordination with FERC. Therefore, you need to file an amendment of exemption application to reflect the as-built conditions of the project. The application must include revised exhibits, as needed, along with agency comments on the design changes. The amendment application should be filed within 90 days from the date of this letter.

Finally, for any future plans to modify project design, or to start construction of any authorized projects, the exemptee should coordinate with FERC and its regional office.

We look forward to receiving your amendment applications. If you have any questions, please contact me at (202) 502-8759, or by e-mail at mfayyad@ferc.gov.

Sincerely,



M. Joseph Fayyad
Engineering Team Lead
Division of Hydropower Administration
and Compliance

OEP/DHAC Fayyad, M:mjf December 6, 2011 120
bcc: DHAC e-Library

Document Content(s)

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