

United States Department of the Interior

OFFICE OF SURFACE MINING

Reclamation and Enforcement Casper Area Office PO Box 11018 150 East B Street, RM 1018 Casper, WY 82602



CERTIFIED MAIL - RETURN RECEIPT REQUESTED

January 21, 2016

Kyle Wendtland, Administrator Wyoming Department of Environmental Quality Land Quality Division 200 West 17th Street, Garden Level Cheyenne, WY 82002

RE: Ten Day Notice's and Citizens Complaint – Arch Coal, Inc.'s and Subsidiaries Mining Operations in Wyoming

Dear Mr. Wendtland:

On December 16, 2015, the Office of Surface Mining Reclamation and Enforcement (OSMRE) and your office received a Citizen Complaint from the Powder River Basin Resource Council (PRBRC) and the Western Organization of Resource Councils (WORC). The complainants requested an inspection and enforcement action regarding ongoing surface coal mining operations of Arch Coal, Inc. and its subsidiaries Thunder Basin Coal Company, LLC, and Arch Western Resources, LLC. The complainants allege a violation of the Surface Mining Control and Reclamation Act (SMCRA) and Wyoming's Environmental Quality Act (Wyoming Act), and state that they have reason to believe that Arch Coal and its subsidiaries are conducting surface coal mining operations in Wyoming without sufficient reclamation bonding as required by SMCRA and the Wyoming Act. Specifically, the complainants allege Arch Coal is violating SMCRA's bonding requirements because the company and its subsidiaries no longer qualify for self-bond status.

The complaint itself asked your office to investigate and issue a Notice of Violation (NOV) to Arch Coal. The complaint also asked OSMRE to act if your office did not issue an NOV. On December 21, 2015, your office responded to the complainants but did not issue an NOV to Arch Coal. Your response to the complainant found that Arch Coal's self-bonds (SBC149, SBC144, SBC146, SBC156/SBC143, SBC150, SBC145, and SBC148) were in good standing based on a September 2015 analysis and approval in accordance with Chapter 11 of the Wyoming Coal Rules and Regulations. The September 2015 analysis and approval of the above self-bonds was completed using the 2014 year-end audited financial reports of Arch Western Resources. Your response to the complainant also stated that the next annual review of Arch Coal's self-bonds would be conducted in 2016 based upon the 2015 year-end audited financial reports, and that you have requested quarterly financial reports from Arch Coal to better monitor company financial condition in between annual self-bond reviews.

OSMRE believes it is most appropriate to forward the Citizen's Complaint to your office via the Ten Day Notices (TDN) process in order to provide the opportunity for you to more fully respond to the allegation that the 2015 analysis done by your office no longer reflects the current self-bond eligibility of the company and that the self-bonding requirements of the approved State Program are violated because the guarantor's assets are being used by the parent company as collateral for secured corporate debt.

Therefore, in accordance with OSMRE's Directive System, INE-24 and INE-35, the CAO is herewith referring the complaint to your office (the Regulatory Authority) via the enclosed TDNs:

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TDN #X16-010-549-001 – Permit #233-T8 (Black Thunder Mine)
TDN #X16-010-549-002 – Permit #331-T6 (Medicine Bow Mine)
TDN #X16-010-549-003 – Permit #334-T2 (EDC/Vanguard Mine)
TDN #X16-010-549-004 – Permit #377-T5 (Seminoe II Mine)
TDN #X16-010-549-005 – Permit #483-T6 (Coal Creek Mine)
TDN #X16-010-549-006 – Permit #676-T3 (Izita Mine)
TDN #X16-010-549-007 – Permit #730-T2 (Carbon Basin Mine)
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In addition to the TDNs, also enclosed are the CAO's Mine Site Evaluation Forms and TDN narratives, the December 16, 2015 Citizen Complaint letter, and your December 21, 2015 response letter.

In addition, on January 11, 2016, Arch Coal and subsidiaries, including Arch Western Resources and Thunder Basin Coal Company, filed for Chapter 11 bankruptcy in United States Bankruptcy Court for the Eastern District of Missouri. The bankruptcy petition(s) likely contains more recent information than the 2014 information considered by WYDEQ. WYDEQ's response to the complaint and TDNs may address the bankruptcy petition(s) in relation to the issues raised in the complaint and TDNs, if warranted.

Please respond to the TDNs as directed in 30 CFR 842.11 within ten business days by taking appropriate action to cause the possible violation to be corrected or to show good cause for such failure. Appropriate action and good cause are explained in 30 CFR 842.11(b)(3) and (4). Good cause includes showing that the possible violation does not exist under the approved State program. This TDN does not constitute a written determination under 30 CFR 842.11(b)(1)(ii)(B)(1) of whether the standards for appropriate action or good cause have been met, and does not constitute a notice of violation or cessation order under 30 CFR Part 843. After WYDEQ's response, OSMRE will issue its written determination and, if necessary, will issue any necessary order to correct the violation, if found.

If you have any questions or require additional time to respond to the TNDs, please contact me at (307) 261-6550.

Sincerely,

Jeff Fleischman, Chief Denver Field Division – Casper Area Office

Enclosures:

As a result of the information below, the Office of Surface Mining Reclamation and Enforcement (OSMRE) has reason to believe that the Wyoming Department of Environmental Quality-Land Quality Division (WYDEQ) may be allowing Arch Coal Inc., Thunder Basin Coal Company, LLC, and Arch Western Resources, LLC (collectively, Arch) to operate in violation of the Wyoming Approved State Program. Therefore, pursuant to 30 U.S.C. § 1271(a) and 30 C.F.R. § 842.11(b)(1)(ii)(B)(1), OSMRE is issuing the following Ten Day Notices (TDN's) for the following surface coal mining operations in Wyoming:

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TDN #X16-010-549-001 – Permit #233-T8 (Black Thunder Mine)
TDN #X16-010-549-002 – Permit #331-T6 (Medicine Bow Mine)
TDN #X16-010-549-003 – Permit #334-T2 (EDC/Vanguard Mine)
TDN #X16-010-549-004 – Permit #377-T5 (Seminoe II Mine)
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TDN #X16-010-549-006 – Permit #676-T3 (Izita Mine)
TDN #X16-010-549-007 – Permit #730-T2 (Carbon Basin Mine)
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The Federal regulation at 30 C.F.R. § 842.11 provides that absent an imminent danger or harm scenario, OSMRE must issue a TDN to a Regulatory Authority (RA) when it has reason to believe a violation exists or when, on the basis of a Federal inspection, it determines that a violation exists (and OSMRE has not issued a previous TDN for the same violation). These TDN's are not based on Federal inspections, and OSMRE has not yet determined that violations exist. However, based on allegation in the Citizen's Complaint summarized below, OSMRE has reason to believe that WYDEQ may be allowing Arch to operate in violation of the Wyoming Environmental Quality Act (Wyoming Act) and WYDEQ Coal Rules and Regulations by allowing Arch's Wyoming surface mining operations to continue to extract coal while failing to meet the criteria to qualify for self-bonding.

In accordance with the Wyoming Act and WYDEQ Rules and Regulations for Coal, surface mine operators may "self-bond" to cover the costs of reclaiming mine sites if the requisite criteria are satisfied. Wyo. Stat. § 35-11-417(d); Wyo. Admin. Code § ENV LQC Ch. 11 § 2(a)(vii)(A)-(C). In Wyoming, Arch Western Resources and Thunder Basin Coal are currently self-bonded at the following operations:

Black Thunder Mine, Permit #233-T8 (SBC148) Medicine Bow Mine, Permit #331-T6 (SBC156/143) EDC/Vanguard Mine, Permit #334-T2 (SBC146) Seminoe II Mine, Permit #377-T5 (SBC144) Coal Creek Mine, Permit #483-T6 (SBC149) Izita Mine, Permit #676-T3 (SBC150) Carbon Basin Mine, Permit #730-T2 (SBC145)

On December 16, 2015, OSMRE and the WYDEQ received a Citizen's Complaint from the Powder River Basin Resource Council (PRBRC) and the Western Organization of Resource Councils (WORC). The complainants requested an inspection and enforcement action regarding ongoing surface coal mining operations of Arch Coal and its subsidiaries. The complainants allege a violation of the Surface Mining Control and Reclamation Act (SMCRA) and the

Wyoming Act, and state that they have reason to believe that Arch Coal and its subsidiaries are conducting surface coal mining operations in Wyoming without sufficient reclamation bonding as required by SMCRA and the Wyoming Act. Specifically, the complainants allege Arch Coal is violating SMCRA's bonding requirements because the company and its subsidiaries no longer qualify for self-bond status. The complainants verified that the parent company, Arch Coal, does not qualify for self-bonding. The complainants also state that because Arch Western Resources LLC's assets are pledged to Arch Coal, the two entities must be viewed in tandem and the financial condition of Arch Coal must be considered when determining whether Arch Western Resources, LLC qualifies for self-bonding to meet the full intent of SMCRA.

The Wyoming Act allows for self-bonding, as follows:

The council may promulgate rules and regulations for a self-bonding program for mining operations under which the administrator may accept the bond of the operator itself without separate surety when the operator demonstrates to the satisfaction of the director the existence of a suitable agent to receive service of process and a history of financial solvency and continuous operation sufficient for authorization to self-insure or bond this amount. This subsection shall not become operative until the council has promulgated rules and regulations for the self-bonding program which require that the protection provided by self-bonding shall be consistent with the objectives and purposes of this act.

Wyo. Stat. § 35-11-417.

To remain eligible for self-bonding, the Wyoming Land Quality Division Coal Rules and Regulations, Chapter 11, Section 4, require for renewal bonds, the submission of the following information:

- (a) Information for the renewal bond under the self-bonding program which shall accompany the annual report shall include:
- (i) Amount of bond required, which shall be determined in accordance with W. S. § 35-11-417(c)(ii). If the self-bond amount is proposed to be less than the full bond amount, the amount which is proposed is to be under a self-bond.
- (ii) Financial information in sufficient detail to show that the guarantor still meets one of the criteria in Section 2(a)(vii), and the limitation in Section 2(a)(xii). The Administrator may request financial statements for the most recently completed fiscal year together with an independent certified public accountant's audit opinion or review opinion of the financial statements with no adverse opinion. Additional unaudited information may be requested by the Administrator.
- (iii) If the Administrator has accepted a mortgage, any changes in evidence of value, title and possession of the property shall be submitted.
- (iv) If the Administrator deems it necessary to value any asset, he may appoint the

appraiser or appraisers mutually acceptable to the Administrator and the operator. Any such appraisal shall be expeditiously made, and a copy thereof furnished to the Administrator and the operator. The expense of the appraisal shall be borne by the operator. The findings of the appraisal shall be final and binding unless both parties agree to a reappraisal.

- (v) For coal operators using personal property as collateral to support a self-bond, the operator's current financial information showing continuing compliance with Section 3(c)(ii) of this Chapter.
- (b) If the Administrator has authorized a parent corporate guarantee, the parent corporation shall supply all information required under subsection (a)(ii) of this Section.
- (c) Any valid initial self-bond shall carry the right of successive renewal as long as the above listed information is submitted which demonstrates that the guarantor remains qualified under W.S. § 35-11-417(d).

Wyo. Admin. Code § ENV LQC Ch. 11 § 4.

The referenced financial information of Section 2 of the Coal Rules and Regulations includes:

For coal mining operations, financial information in sufficient detail to show that the operator meets one of the following criteria (the specific criterion relied upon shall be identified):

- (A) The operator has a rating for all bond issuance actions over the past five years of "A" or higher as issued by Moody's Investor Service, Standard and Poor's Corporation or any other nationally recognized rating organization that is acceptable to the regulatory authority. Any additional rating organization must be a "nationally recognized statistical rating organization" as approved by the Securities and Exchange Commission. If the additional rating organization uses a different rating system, only ratings that are equivalent to a rating of "A" or higher by either Moody's Investor Service or Standard and Poor's Corporation will qualify (the rating organization should be identified together with any further breakdown of specific ratings).
- (B) The operator has a tangible net worth of at least 10 million dollars, and a ratio of total liabilities to net worth of 2.5 times or less, and a ratio of current assets to current liabilities of 1.2 times or greater. The two ratio requirements must be met for the past year, and documented for the four years preceding the past year. Explanations should be included for any year where the ratios fall below the stated limits.
- (C) The operator's fixed assets in the United States total at least 20 million dollars, and the operator has a ratio of total liabilities to net worth of 2.5 times or less, and

a ratio of current assets to current liabilities of 1.2 times or greater. The two ratio requirements must be met for the past year and documented for the four years preceding the past year. Explanations should be included for any year where the ratios fall below the stated limits.

(D) If the operator chooses (B) or (C), the two ratios shall be calculated with the proposed self-bond amount added to the current or total liabilities for the current year. The operator may deduct the costs currently accrued for reclamation which appear on the balance sheet.

Wyo. Admin. Code § ENV LQC Ch. 11 § 2(a)(vii)(A)-(D).

The complaint itself is non-standard in that it contains a dual request. First, it requests that WYDEQ investigate and issue a Notice of Violation (NOV) to Arch Coal. Second, if WYDEQ were to not issue an NOV, the complaint requests OSMRE to take action. On December 21, 2015, WYDEQ responded to the complainants but did not issue an NOV to Arch Coal. WYDEQ found that Arch Coal's self-bonds (SBC149, SBC144, SBC146, SBC156/SBC143, SBC150, SBC145, and SBC148) were in good standing based on a September 2015 analysis and approval in accordance with Chapter 11 of the Wyoming Coal Rules and Regulations. The September 2015 analysis and approval of the above self-bonds was completed using the 2014 year-end audited financial reports of Arch Western Resources, LLC. WYDEQ also noted in their response to the complainant that the next annual review of Arch Coal's self-bonds would be conducted in 2016 based upon the 2015 year-end audited financial reports. In addition, the WYDEQ stated that they have requested quarterly financial reports from Arch Coal to better monitor company financial condition in between annual self-bond reviews.

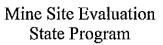
OSMRE believes it is most appropriate to forward the Citizen's Complaint to the WYDEQ via the TDN process in order to provide the opportunity for WYDEQ to more fully respond to the allegation that the 2015 analysis done by your office no longer reflects the current self-bond eligibility of the company and that the self-bonding requirements of the approved State Program are violated because the guarantor's assets are being used by the parent company as collateral for secured corporate debt. Therefore, OSMRE is issuing the following TDN's:

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TDN #X16-010-549-006 – Permit #676-T3 (Izita Mine)
TDN #X16-010-549-007 – Permit #730-T2 (Carbon Basin Mine)
```

OSMRE understands that Arch Coal and subsidiaries, including Arch Western Resources and Thunder Basin Coal Company, filed for Chapter 11 bankruptcy in United States Bankruptcy Court for the Eastern District of Missouri on January 11, 2016. WYDEQ's response to the complaint and TDNs may address the bankruptcy petition in relation to the issues raised in the complaint and TDNs, if warranted.

WYDEQ may respond to these notices as directed in 30 C.F.R. § 842.11 within ten business days by taking appropriate action to cause the possible violations to be corrected, or to show good cause for such failure. Appropriate action an good cause are defined 30 C.F.R. § 842.11(b)(3) and (4). Good cause includes showing that the possible violations do not exist under the approved State program. These TDN's do not constitute written determinations under 30 C.F.R. § 842.11(b)(1)(ii)(B)(I) of whether the standards for appropriate action or good cause have been met, and do not constitute notices of violation or cessation orders under 30 C.F.R. Part 843. After WYDEQ's response, OSMRE will issue its written determination and, if necessary, will issue any necessary order to correct the violations, if found.







1. Permittee/Person	9. Permit Number 10. Permit Type
ARCH OF WYOMING LLC	730-T2 PP
2. Address	11. Field Visit Date 12. Purpose 13. SRA Present
1 CITY PLACE DRIVE SUITE 300	1/21/2016 CCR N
	тт - dd - уууу
3. City 4.	State 14. Permit Status 15. Site Status 16. Facility Type
	MO A AN ADG
5. Zip Code 6. Phone Number	17. OSM Office # 18. CCID # 19. Land Code
63141 (314) 994-2956	010 CC16-010-001 SF
7. Operator Name, if Different than Permittee	20. M.S.H.A. ID # 21. State Abbrev. 22. County/Burrough
,	48-01694 WY CARBON
8. Mine Name	23. AVS Permittee Entity ID Number 24. State Office
CARBON BASIN	145743
25. Hours 26. Signature B	Block 27. Reviewing Official:
1.0 a. Permit Review	ignature: Signature:
b. Site Visit Time	
Prin	Review Date: 1-21-7016 tted Name: Review Date: 1-21-7016
d. Report Writing Date: 1/2	21/2016 Is Supplemental MSE Page Used Y/N Y
Permit Type - Item 10 IP = Interim Program PP = Permanent Program Purpose Type Codes - Item 12	NP = No Permit CCRCitizen Complaint Referral (non-site visit
OxxOversight RFxReclamation F AxxAssistance FxxFederal Action	Fees CCCitizen Complaint (InItial site visit)
Joint Inspection - Item 13 A joint inspection is when a state inspector accom	
Permit Status - Item 14 AB A Active: Coal mining activities occurring or permitted but not yet	Abandoned: All surface and underground coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840:11(g).
dislurbed. AB	1 Bond Forfeiture: Bond forfeiture officially in process or completed and reclamation in
	progress or not yet commenced. Partially Reclaimed Forfeiture: Forfeited site where all bonds have been used to reclaim site
Coal mining completed and reclamation activities initiated. BR Bond Release: Reclamation completed and State Regulatory AB	but site not rectaimed to Program standards. 13 Rectaimed Forfeiture: Forfeited site that has been rectaimed to Program standards.
	Not Applicable: When site is unpermitted.
	te: No mining activity on site, site NS Non-Site Visit: Status of site not determined.
operations have been slarted. TC Temporary Ces.	waiting bond release. Forfeiture Pending: The RA is pursuing actions to sation: The RA has granted FP revoke the permit, collect the performance bond(s),
EX Coal Exploration: Coal exploration operations have started and where coal mining operations have not 816/817:13(b).	ning pursuant to 30 CFR and/or reclamation of forfeited site is in progress. FR Forfeited and Reclaimed: Forfeiture reclamation
begun. P1 Phase I Release	e: At least Phase I bond release completed. re permitted area. For interim FO Abandoned Site: Abandoned site that is permitted by
activities are occurring. AN Active Non-Producing: Active non-producing facility P2 Phase II Releas	bond release. there is no bond.
such as tipple or preparation plant. for the entire pe	ermitted area. or are taking place and the activity is not covered by
NM No Mining: The Permit Status is active, site Is not In P3 Phase III Release Temporary Cessation, no surface coal mining the RA has release to the RA ha	
activity, and site not regraded.	
Facility Type Codes - Item 16 pAncillary (Haulroad, Conveyor, and/or Re	pils HExploration Permits KGovernment Financed Construction Exemption
ASurface ERefuse and/or Impoundment BUnderground FLoading Facility and/or Tipple	INolice of Intent to Explore LRemining site permitted under 30 CFR 785.25 J,Exempt 16 and 2/3
CPreparation Plant GStockpiles	
	ory Enforcement Fairness Act (SBREFA) comments are Important
The Small Business and Agriculture Regulatory Enforcement Ombudsman and 10 Regional	of Trainess Boards were established to receive comments from small businesses about Federal agency of rate each agency's responsiveness to small business. If you are a small business (a business with 500 or
fewer employees including those of affiliates) and wish to comment on the enforcement or	compliance activaties of OSM, call 1-888-REG-FAIR (1-888-734-3247).

U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING Mine Site Evaluation

D	Dormit -	Elold Wish	Ctata Dugguana
Permittee/	Permi 730-T2	Field Visit 1/21/2016	State Program
Person ARCHOT WIGHING LLC	Number 730-12	Date 1/21/2010	Continuation Page

1 010011			Continuation 1 age
	wformones !	Standard Cata	varias
20. Pe	normanice .	Standard Cate	Jones
Codes: 1=Compliance, 2=Noncompliance, 3=	Not Planned, 4=Not Started	, 5=Noncompliance Identified Elsewh	ere, 6=Previously Cited, 7=Permit Defect
	1000		H. Subsidence Control Plan
A. Administrative	D. Backfilling & G		
1 Mining within Valid Permit	1 Expo:		I, Roads
2 Mining within Bonded Area		mporaneous Reclamation	I Road Construction
3 Terms & Conditions of Permit		oximate Original Contour	2 Certification
4 Liability Insurance	4 High	yall Elimination	3 Drainage
5 Ownership and Control		Slopes (includes downslope)	4 Surfacing and Maintenance
6 Temporary Cessation		ling of Acid and Toxic Materials	5 Reclamation
AML Rec. Fees - Non-Respondent	7 Stabii	ization (rills and gullies)	J. Signs & Markers
8 AML Rec. Fees - Failure to Pay	E. Excess Spoil Di	snosal	ŭ l
B. Hydrologic Balance	1 Place		1 Signs 2 Markers
1 Drainage Control	2 Drain		
2 Inspections & Certifications	3. Surfa	ce Stabilization	K Distance Prohibitions
3. Siltation Structures		ctions & Certifications	L. Revegetation
4. Discharge Structures		The state of the s	· ·
5. Diversions	F. Coal Mine Was		I Vegetative Cover
5 Diversions 6 Effluent Limits		mpoundments)	2 Timing
7 Ground Water Monitoring	1 Drain		M. Postmining Land Use
8. Surface Water Monitoring	2 Surfa	ice Stabilization	
9. Drainage - Acid-Toxic Materials	3 Place	ement	N. Other
10 Impoundments		ections & Certifications	General
11. Stream Buffer Zones	5 Impo	unding Structures	Performance Category
	G. Use of Explosi	ves	30 CFR 800.23(B)(2)
C. Topsoil & Subsoil	1 Blast		A 2 THROUGH (B)(4)
1 Removal		nce Prohibitions	
2. Substitute Materials		Survey/Schedule	
3 Storage and Protection 4 Redistribution	4. Warr	ings & Records	
4 Kedistribution	5 Cont	rol of Adverse Effects	
Performance Standard Categ		•	201 2 101 E 10 E 10
30 CFR Counterparts	••••	E. Excess Spoil Dis	posal(816/817.71-74)
A Administrative		2. Drainage Control	
Valid Permit Mining within Bonded Area Terms & Conditions of Permit	773.11	 Surface Stabilization Inspections & Certific 	71(1) 71(g) 21(n) 71(h)
Mining within Borded Area Terms & Conditions of Permit	//3.11 773.17	F. Coal Mine Wast	4 (Refuse PilevImpoundments) \$16/\$17.81-84)
A Linking Insurance	ROO AD	 Drainage Control 	
5. Ownership and Control 6. Temporary Cessation	778.13 2.11(e)&816/817.131	3. Placement	
7 ANII Dan Faar Non Demonstrat		A Immedians and Certif	Restions
8. AML Rec. Fees - Failure to Pay B. Hydrologic Balance		5. Impounding Structure	\$1 (016.017.61.60)
1. Drainage Control	45	G. Use of Explosive: 1. Blaster Certification	(816/817.61-68) (816/817.61-68)
Inspections & Certifications Silfation Structures	49(a)(10)	2 Distance Prohibitions	
4 Discharge Structures		4 Wamings & Paccedi	62.64
5. Diversions	43	5. Control of Adverse E	ffects
7 Ground Water Monitoring	41(c)	H. Subsidence Contr	ol Plan(817.121-122)
8. Surface Water Monitoring	41(e)	Koads Road Construction	(816/817.150-151) 150(c)
9. Drainage-Acid - Toxic Materials-	41(1)	2. Certification	
9. Dramage Actid - Toxic Materials 10. Impoundments 11. Stream Buffer Zones C. Topsoil & Subsoil 1. Removal	57	Drainage Surfacing and Mainte	
C. Topsoil & Subsoil	(816/817,22)	 Reclamation · · · · · · · · · · · · · · · · · · ·	130(f)
7 Cubelitata Matariale		Y Clana & Manleana	014/017111
3. Storage and Protection		1. Signs	11(a),(b),&(c)
3. Storage and Protection 4. Redictibution D.Backfilling & Grading	-816/817.95-107)	K Distance Probibi	tions (76) 111
1 Exposed Openings	14.13.6:823.116:21	L. Revegetation	(816/817.111-116) (816/817.111-116) (816/817.133) d Use (816/817.133)
Contemporareous Reclamation Approximate Original Contour		Vegetative Cover Timing	
4 Righwall Elimination	102(a)(2)	M. Postmining Lan	d Use(816/817.133)
Steen Slones (includes downslope)	107		(
6. Handling of Acid & Toxic Materials 7. Stabilization (tills and gullies)	<u>\$5</u> %		

DSM Action

1) Deferred to State Action
2) TDN Issued
3) NOV Issued
4) FTA-CO Issued
6) IB-CO Issued (Imminent Danger to Public)
7) Previously cited by RA, abatement pending
8) NOV Issued
6) IB-CO Issued
7) Follow-up of Federal Action
7) Follow-up of Federal Action
7) Off-site impact with no violation

Off-Site Impacts

For each type of Impact and resource affected, enter
"N, D, or J" to describe the degree of off-site Impact:
N - Minor Occurrence
D - Moderate Occurrence
J - Major Occurrence

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Ravised October 1, 2010

Mine Site Evaluation

Permittee/ Person Arch of WYOMING LLC Pennit Number 730-T2	eld Visit State Program Date 1/21/2016 Continuation Page
A. Specific State Law/Regulations Violated: WY DEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing Chapter 11, Section 2(a)(vii)(A-D).	L. Off-Site Impacts
B. Description: Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming.	People Land Water Structures Blasting
C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-007 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N I. Latitude: 0414510 J. Longitude: 1062217 K. Elevation:	Stability
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts People Land Water Structures
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts People Land Water Structures
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	Blastiug

1) Deferred to State Action
2) TDN Issued
3) NOV Issued
4) FTA-CO Issued
5) IH-CO Issued
6) ID-CO Issued (Imminent Danger to Public)
7) Previously cited by RA, abatement pending
3) NOV Issued
8) Abated during or before OSM inspection
9) Follow-up of Federal Action
5) IH-CO Issued
0) Off-site impact with no violation

Off-Site Impacts
For each type of impact and resource affected, enter
'N, D, or J' to describe the degree of off-site impact:
N- Minor Occurrence
O- Moderate Occurrence
J- Major Occurrence

Page 3 of 3

Revised October 1, 2010

UNITED STATES DEPARTMENT OF THE INTERIOR	R Originaling Office:	Casper Field Office	
Office of Surface Mining		US DOI, Office of Surface Mining	<u></u>
Reclamation and Enforcement		100 East "B" Street	· .
TEN-DAY NOTICE		Federal Building • Room 2128	
		Casper, WY 82601-1918	
Number X16-010-549-007 TV 1	Telephone Number:	(307) 261-8541	
Ten-Day Notice to the State of Wyoming			
You are notified that, as a result of Citizen In citizen information, etc.) the Secretary has reas of the Act or a permit condition required by the after receipt of this notice to take appropriate acrected, or to show cause for such failure and tra originating office designated above, then a Fedwhich the alleged violation(s) is occurring will quired by Section 521(a)(1) of the Act will be to	on to believe that the post Act. If the State Regulation to cause the violatensmit notice of your action inspection of the subsection of the subsection and appropriate the conducted and appropriate the subsection of the subsecti	latory Authority fails wi ion(s) described herein to tino to the Secretary through the coal mining opera	thin ten days to be cor- ough the tion at
Permittee: ARCH OF WYOMING LLC		County: CARBON	✓ Surface
(Or Operator if N o Permit)		 .	- -
Mailing Address: 1 CITY PLACE DRIVE SUITE 3	00, , ST LOUIS, MO 6314	1	Underground
Permit Number: 730-T2 Mine Name:	CARBON BASIN		☑ Other
01 NATURE OF VIOLATION AND LOCATION:			<u> </u>
Self-bond guarantor no longer meets requirements to	salf hand in the State of W	lyomina	
Sen-bond guarantor no longer meets requirements to	sen-bond in the State of W	younng.	
	State Law, Regulation or P believed to have been viola	rermit WY DEQ Coal Rule tted: Section 4(a)(li) refer	
Section of Condition	State Law, Regulation or P believed to have been viola	ermît ted:	
NATURE OF VIOLATION AND LOCATION:			
Section of	State Law, Regulation or P	ormit	
Condition	believed to have been viola	ted:	
Remarks or Recommendations:			
Date of Notice: 01/21/2016 Signature of A	uthorized Rep.:		
Print	Name and ID: Frank Bar	tlett ID# 549	
		<u> </u>	
			Page 1 of 1 Revised October 1, 1998





Citizen Complaint

Comp Natur	plainant e of Comp	ORC ALLEGE	E THAT ARCH COA		
		mance Standal Check all that a		Acknowledgement Lette	г 01/21/2016
×	A. Admin	istrative		FO Decision Letter to Citizen	n .
	B. Hydrol	ogic Balance		Citizon Informal Boyious Bogues	+
	C. Topso	il & Subsoil		Citizen Informal Review Reques	
	D. Backli	ling & Grading		Informal Review Date	e
	E. Exces	s Spoil Disposal		D " 414 1- 1	
	F. Coal M	line Waste		Result of Informal Review	V
	G. Use of	Explosive		Citizen Notified of Review Results	5
	H. Subsid	lence Control Plan			
	I. Roads			Comments	
	J. Signs &	k Markers			
	K. Distan	ce Prohibitions			
	L. Revega	ation			
	M. Postm	Ining Land Use			



Mine Site Evaluation State Program



Page 1

1. Permittee/Person		9. Permit Number		10, Permit Type
THUNDER BASIN COAL COMPANY LLC		676-T3		PP
2. Address		11. Field Visit Da	ate 12. Purpose	13. SRA Present
1 CITY PLACE DRIVED SUITE 300		1/21/2016	CCR	N N
		mm - dd - yyyy		
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
ST. LOUIS	MO	A	NM	A
5. Zip Code 6.	Phone Number	17. OSM Office #	# 18. CCID#	19. Land Code
	4) 994-2949	010	CC16-010-001	
7. Operator Name, if Different than I	'ermittee	20. M.S.H.A. ID #	21. State Abbrev.	22. County/Burrough
THUNDER BASIN COAL COMPANY I		48-00977	WY	CAMPBELL
8. Mine Name		23. AVS Permitte	ee Entity ID Number	24. State Office
IZITA MINE		144426		
				-
25. Hours	26. Signature Block		27. Reviewing	Official:
1.0 a. Permit Review	1/1/			
1.0 a. Permit Review 0.0 b. Site Visit Time	Signature:		Sign	nature:
VIV	Frank Bartlett,	ID#549	Review Date:	1-21-11
0.0 c. Travel Time	Printed Name:		Tto / To // Duito.	mm - dd - yyyy
d. Report Writing	Date: 1/21/2016	 	Is Supplemental MS	E Page Used Y/N Y
Description of the AO ID - Interior Description		Darmit	1	
Permit Type - Item 10 IP = Interim Program Purpose Type Codes - Item 12	PP = Permanent Program NP = No F		CRCitizen Complaint Ref	erral (non-site visit
OxxOversight AxxAssislance	RFxReclamation Fees FxxFederal Actions	C	CCitizen Complaint (init	
Joint Inspection - Item 13 A joint inspection is v				ine site
Permit Status - Item 14 A Active: Coal mining activities occurring or pe			ground coal mining activitie reclamation as defined in 3	s have ceased and operator
disturbed.	AB1 Bond Fo	rfeiture: Bond forfeiture of	ficially in process or comple	
IN Inactive (Permanent Program Permit): Phas Temporary Cessation of Operations. (Interin	n Program Permit): AB2 Partially			have been used to reclaim site,
Coal mining completed and reclamation active BR Bond Release: Reclamation completed and		not reclaimed to Program s ed Forfeiture: Forfeited sit	tandards. e that has been reclaimed t	o Program standards.
Authority(RA) has released all of the bond (F	hase III Release). NA Not Appl	licable: When site is unper	mitted.	
Site Status - Item 15	MC Mining Complete: No mini		NS Non-Site Visit: Status	
ND No Disturbance: No coal mining and reclams operations have been started.	ation regraded and awaiting bon TC Temporary Cessation: The			e RA is pursuing actions to ect the performance bond(s),
EX Coal Exploration: Coal exploration operation started and where coal mining operations has		nt to 30 CFR		orfeited site is in progress.
begun.	P1 Phase I Release: At least I	Phase I bond release	completed.	
AP Active Coal Producing: Coal surface mining activities are occurring.	granted for entire permitted permits, partial bond releas	se.	 D Abandoned Sile: Aban there is no bond. 	doned site that is permitted but
AN Active Non-Producing: Active non-producing such as tipple or preparation plant.	facility P2 Phase II Release: At least for the entire permitted are:			nd reclamation operations have the activity is not covered by
NM No Mining: The Permit Status is active, site in Temporary Cessation, no surface coal mining			the required permits fro	
activity, and site not regraded.	, alo for flat released all box			
Facility Type Codes - Item 16 DAncillary (Ha	uulroad Conveyor andlar Paile U.S.	xploration Permits	KGovernment Financed	Construction Examplian
ASurface ERefuse and/	or Impoundment INo	olice of Intent to Explore	LRemining site permitte	
BUnderground FLoading Fac CPreparation Plant GStockpiles	ility and/or Tipple J,E	xempt 16 and 2/3		
	Small Business Regulatory Enforce	ement Fairness Act (SBR)	EFA)	
The Small Business and Agriculture Regulatory Enforcem	Your Comments a	re Important		sses about Federal agency
enforcement actions. The Ombudsman will annually eval	uale the enforcement activites and rate each a	gency's responsiveness to sma	ill business. If you are a small b	ousiness (a business with 500 or

Mine Site Evaluation

Permittee/ Person THUNDER BASIN COAL COMPANY LLC	Permit 676-T3	Field Visit Date 1/21/2016	State Program Continuation Page

28. Pe			ard Categoi		ed, 7=Permit Defect
A. Administrative	D. Backfilling &	Gradina		Н.	Subsidence Control Plan
Mining within Valid Permit		posed Openings	,	I. Roads	•
Mining within Bonded Area		ntemporaneous			Road Construction
3. Terms & Conditions of Permit		proximate Orig			_ Certification
4. Liability Insurance		ghwall Eliminat			_ Drainage
5. Ownership and Control			udes downslope)		_ Surfacing and Maintenance
6. Temporary Cessation			and Toxic Materials		_ Reclamation
7. AML Rec. Fees - Non-Respondent		bilization (rills			•
8 AML Rec. Fees - Failure to Pay		•	and Bannes)	•	& Markers
	E. Excess Spoil !			1	
B. Hydrologic Balance 1 Drainage Control	1 Pla			2	_ Markers
		ainage Control		K.	Distance Prohibitions
Inspections & Certifications Siltation Structures		rface Stabilizati			
4 Discharge Structures	4 Ins	pections & Cer	titications	L. Revege	etation
5. Diversions	F. Coal Mine W	/aste		1	_ Vegetative Cover
6 Effluent Limits		/Impoundnien	ts)	2	_ Timing
7. Ground Water Monitoring		rainage Control		M.	Postmining Land Use
8. Surface Water Monitoring	2 Su	ırface Stabilizat	ion		
9. Drainage - Acid-Toxic Materials	3 Pla	acement		N. Other	
10. Impoundments	4 Ins	spections & Cer	tifications	General	
11 Stream Buffer Zones	5 Im	pounding Struc	tures	Performance Category	
	G. Use of Explo	osives		Language	30 CFR 800.23(B)(2)
C. Topsoil & Subsoil		aster Certificati	on	_A_	2 THROUGH (B)(4)
1 Removal		stance Prohibiti			
Substitute Materials Storage and Protection		ast Survey/Sch			
4. Redistribution	4 Wa	arnings & Reco	rds		
7 Redistribution		ontrol of Advers			
Performance Standard Cate	gorles	E.	Excess Spoil Disposal		(816/817.71-74)
30 CFR Counterparts		4.	Planament .		716
A. Administrative	772.10	7 .	Drainage Control	·-···	71(6) 71(a) 71(a)
Valid Permit Mining within Bonded Area	773.11	4.	Impections & Certifications		
1. Terms & Conditions of Permit	773.17	F.	Coal Mine Waste (Ref	use PilesImpo	undments) \$16/817,81-84)
Liability Insurance Ownership and Control		1. 2.	Surface Stabilization		undments) \$16/817,81-84)
5. Ownership and Control 6. Temporary Cessation 8. 7. AMI. Rec. Fees - Non-Respondent	12.11(e) & \$16/\$17.131	3.	Dia Amerikan		
8 AML Rec. Fees - Non-Respondent		'4. 5	Inspections and Certification Impounding Structures	13	
B. Hydrologic Balance 1. Drainage Control	— (816/817.41-57)	G,	Use of Explosives -		84 (816/817.61-68) 61(c)
Drainage Control Inmeetions & Certifications	4) 40(aV10)	1.	Blaster Certification		61(c)
Inspections & Certifications Silvation Structures	46	3 ,	Dia + Compani Calcadada		67 66
4. Discharge Structures 5. Diversions	43	4.	Warnings & Records		
6 Efficient Limits	42	H.	Subsidence Control Pi	all	(817.121-122)
7. Ground Water Monitoring		I.	Roads	*******	(816/817.150-151)
O Drainage Acid Toyle Materials	4100	Į.	Road Construction		150(c) 151(a)
10. Impoundments 11. Stream Buffer Zones	57	3.	Drainage		150(в)-151(ф)
C Topeoil & Subsoil	(<u>\$16/</u> \$17.22)	4, 5.	Surfacing and Maintenance	•	150(e)-151(d)
1. Removal 2. Substitute Materials.		J, ´`	Signs & Markers	*******	
3 Storage and Protection	22/c\	, 1.	Şligns		151(a) 150(b) 151(d) 150(c) 151(d) 150(c) 151(d) 150(f) 816/817.11) 11(a) (b) & (c) 11(a) (b) & (c) & (f)
4. Reditification D.Backfilling & Grading		v ² .	Markets		(1)(a),(b),(d),(e),&(f) (761,11)
	14 14 4.032 11 5.21	K. L.	Revenetation		(816/817 111.116)
2. Centemporaneous Reclamation		1.	Vegetative Cover		111&116
Approximate Original Contour Highwall Elimination	102(2)2	M.	Postmining T and Ties	· · · · · · · · · · · · · · · · · · ·	(816/817.133)
5. Steep Slopes (includes downslope)		241.	r Asimming răin Azi	,	(010/01/1193)
2. Contemporateous Reclamation 3. Approximate Original Contour 4. Highwall Elimination 5. Steep Stopes (includes downslope) 6. Handling of Açid & Toxic Materials 7. Stabilization (rills and gullies)	95(b)				

U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING **Mine Site Evaluation**

Permittee/ Person THUNDER BASIN COAL COMPANY LLC Permit Number 676-T3 Fiel	d Visit State Program Continuation Page
A. Specific State Law/Regulations Violated: WY DEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing Chapter 11, Section 2(a)(vi)(A-D). B. Description: Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming. C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-006 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N I. Latitude: 0000000 J. Longitude: 0000000 K. Elevation:	L. Off-Site Impacts People Land Water Structures Blasting
A. Specific State Law/Regulations Violated: B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	L. Off-Site Impacts People Land Water Structures Blasting
A. Specific State Law/Regulations Violated: B. Description: C, Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	L. Off-Site Impacts People Land Water Structures Blasting
A. Specific State Law/Regulations Violated: B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	L. Off-Site Impacts People Land Water Structures Blasting

DSM Action

1) Deferred to State Action

2) TDN Issued

3) NOV Issued

4) Fra-Co Issued

6) ID-Co Issued (Iriminent Danger to Public)

7) Previously cited by RA, abatement pending

8) Abated during or before OSM Inspection

9) Follow-up of Federal Action

5) IH-CO Issued

0) Off-size impact with no violation

Off-Site Impacts

For each type of impact and resource affected, enter
"N, D, or J" to describe the degree of off-site impact:
N-Minor Occurrence
D-Moderate Occurrence
J-Major Occurrence

Page 3 of 3

Revised October 1, 2010

UNITED STATES DEPARTMENT OF THE INTERIO	R Originaling Office:	Casper Field Office	
Office of Surface Mining		US DOI, Office of Surface Mining	
Reclamation and Enforcement		100 East "B" Street	
TEN-DAY NOTICE		Federal Building • Room 2128	
	İ	Casper, WY 82601-1918	
Number X16-010-549-006 TV 1	Telephone Number:	(307) 261-6541	<u>-</u> _
Ten-Day Notice to the State of Wyoming			
You are notified that, as a result of Citizen In citizen information, etc.) the Secretary has reason of the Act or a permit condition required by the after receipt of this notice to take appropriate a rected, or to show cause for such failure and troriginating office designated above, then a Fedwhich the alleged violation(s) is occurring will quired by Section 521(a)(1) of the Act will be	son to believe that the part of the Act. If the State Regulaction to cause the violations and the solution of the self the conducted and appress to the self the conducted and appress the conducted and appress the conducted and appress to the conducted and appress the conducted and appreciated appreciated and appreciated and appreciated and appreciated	latory Authority fails with tion(s) described herein to tino to the Secretary throu irface coal mining operati	nin ten days be cor- ngh the on at
Permittee: THUNDER BASIN COAL COMPANY	LLC (County: CAMPBELL	✓ Surface
(Or Operator if No Permit)	T 400 OT 1 CT 12 CT		Underground
Mailing Address: 1 CITY PLACE DRIVED SUIT	E 300, , ST. LOUIS, MO 63	3141	. -
Permit Number: 676-T3 Mine Name:	IZITA MINE		Other
01 NATURE OF VIOLATION AND LOCATION:			
	s calf hand in the State of V	Vyomina	
Self-bond guarantor no longer meets requirements to	sen-bond in the State of v	vyoming.	
	of State Law, Regulation or I on believed to have been viol	Permit WY DEQ Coal Rules, ated: Section 4(a)(ii) referen	
	of State Law, Regulation or I		_
NATURE OF VIOLATION AND LOCATION:			
	of State Law, Regulation or I n believed to have been viol		
Remarks or Recommendations:			
Date of Notice: 01/21/2016 Signature of A	Authorized Rep.:	7 <i>i</i> // _k	
Date of Notice. Williams of A		2700	
n.:	nt Name and ID: Frank Ba	rtlett ID# 5/10	
Pn	TIC TABLE AUG ID; FLAUK DA	1 HOLL 11/17 547	
		Г	 _
			Page 1 of 1 Revised October 1, 1998

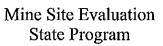




Citizen Complaint

Citizen Complaint Number CC16-010-001	Date Complaint Received 12/10	6/2015
Complainant PRBRC AND WORC	Did citizen	request confidentiality?
Nature of Complaint		
PRBRC AND WORC ALLEGE THAT ARCH CO. OPERATIONS IN WYOMING WITHOUT SUFFICE		
Performance Standard Category (Check all that apply)	Acknowledgement Letter	01/21/2016
A. Administrative	FO Decision Letter to Citizen	
B. Hydrologic Balance	Citizen Informal Review Request	
C. Topsoil & Subsoil	Oilizen inioimal Review Request	
D. Backfilling & Grading	Informal Review Date	
E. Excess Spoil Disposal	Result of Informal Review	
F. Coal Mine Waste	Result of Informal Review	
G. Use of Explosive	Citizen Notified of Review Results	
H. Subsidence Control Plan		
I. Roads	Comments	
J. Signs & Markers		
K. Distance Prohibitions		
L. Revegation		
M. Postmining Land Use		
<u></u>		







1. Permittee/Person		9. Permit Number		10. Permit Type
THUNDER BASIN COAL COMPANY I	483-T6		PP	
2. Address		11. Field Visit Da	te 12. Purpose	13. SRA Present
1 CITY PLACE DRIVED SUITE 300		1/21/2016	CCR	N N
		mm - dd - yyyy		
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
ST. LOUIS	MO	A A	AP	ADFG
· · · · · · · · · · · · · · · · · · ·	Phone Number	17. OSM Office#		19. Land Code
	4) 994-2949	010	CC16-010-001	SF SF
7. Operator Name, if Different than F	<u> </u>	20. M.S.H.A. ID#	21. State Abbrev.	22. County/Burrough
THUNDER BASIN COAL COMPANY I		48-01215	WY	CAMPBELL
8. Mine Name	•	23. AVS Permitte	e Entity ID Number	24. State Office
COAL CREEK MINE		144426		
	<u> </u>	l .	7	
25. Hours	26. Signature Block		27. Reviewing	Official:
1.0 a. Permit Review	1/6			
0.0 b. Site Visit Time	Signature:		Signa	iture:
0.0 c. Travel Time	Frank Bartlett,	JD#549	Review Date:	1-21-2016
4.0 d. Report Writing	Printed Name:	_		mm • dd • yyyy
u. report // mag	Date: 1/21/2016		Is Supplemental MSE	Page Used Y/N Y
Permit Type - Item 10 IP = Interim Program	PP = Permanent Program NP = No F	Permit		· · ·
Purpose Type Codes - Item 12 OxxOversight	RFxReclamation Fees		CRCitizen Complaint Refe CCitizen Complaint (initia	
AxxAssistance	FxxFederal Actions	С	CF,Assistance	
Joint Inspection - Item 13 A joint inspection is a Permit Status - Item 14			during the review of the min ground coal mining activities	
A Active: Coal mining activities occurring or pe	ermitted but not yet has left t	the site without completing :	reclamation as defined in 30	CFR 840:11(g).
disturbed. IN Inactive (Permanent Program Permit): Phas	e II completed or progress	ntellure: Bond fortellure off s or not yet commenced.	icially in process or complete	ed and reclamation in
Temporary Cessation of Operations. (Interin Coal mining completed and reclamation active	n Program Permit): AB2 Partially	Reclaimed Forfeiture: Forf not reclaimed to Program st		ave been used to reclaim site,
BR Bond Release: Reclamation completed and Authority(RA) has released all of the bond (F	State Regulatory AB3 Reclaims		that has been reclaimed to	Program standards.
	<u> </u>			
Site Status - Item 15 ND No Disturbance: No coal mining and reclamate	MC Mining Complete: No minh ation regraded and awaiting bon-		IS Non-Site Visit: Status of Forfeiture Pending: The	site not determined. RA is pursuing actions to
operations have been started. EX Coal Exploration: Coal exploration operation	TC Temporary Cessation: The		P revoke the permit, collect and/or reclamation of for	the performance bond(s),
started and where coal mining operations has	ve not 816/817:13(b).	F	R Forfeited and Reclaimed	
begun. P1 Phase I Release: At least Phase I bond release AP Active Coal Producing: Coal surface mining granted for entire permitted area. For interim FO Abandoned Site: Abandoned site that is permitted by				
activities are occurring. AN Active Non-Producing: Active non-producing facility P2 Phase II Release: At least Phase II bond release WC Wildcat: Coal mining and reclamation operations h				d reclamation operations have
such as tipple or preparation plant. for the entire permitted area. or are taking place and the activity is not covere NM No Mining: The Permit Status is active, site is not in P3 Phase III Release: Reclamation completed and the required permits from the RA.			he activity is not covered by	
Temporary Cessation, no surface coal mining				I IIIO IVA.
activity, and site not regraded.				
Facility Type Codes - Item 16 DAncillary (Ha		xploration Permits	KGovernment Financed	
BUnderground FLoading Fac		otice of Intent to Explore exempt 16 and 2/3	LRemining site permitted	unaer 30 CFR 785,25
CPreparation Plant GStockpiles				
	Small Business Regulatory Enforce Your Comments a		EFA)	
The Small Business and Agriculture Regulatory Enforcer enforcement actions. The Ombudsman will annually eval	ent Ombudsman and 10 Regional Fairness Bo	pards were established to receiv	re comments from small business Il business. Il you are a small bu	ses about Federal agency isiness (a business with 500 or
fewer employees including those of affiliales) and wish to	comment on the enforcement or compliance a	ctivities of OSM, call 1-888-REC	G-FAIR (1-888-734-3247).	Page 1

Mine Site Evaluation

	Pernnittee/ Person THUNDER BASIN COAL COMPANY LLC	Permit 483-T6	Field Visit 1/21/2016	State Program Continuation Page
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28. Performance Standard Categories Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited, 7=Permit Defect					
A. Administrative	D. Backfilling & G		н	Subsidence Control Plan	
I Mining within Valid Permit	I Expos		I. Roads	ı	
2 Mining within Bonded Area		mporaneous Reclamation	1	Road Construction	
3 Terms & Conditions of Permit	3 Appro	oximate Original Contour		Certification	
4 Liability Insurance	4 Highv	vall Elimination	3.	Drainage	
5 Ownership and Control	5 Steep	Slopes (includes downslope)		Surfacing and Maintenance	
6 Temporary Cessation	6 Hand	ing of Acid and Toxic Materials		Reclamation	
AML Rec. Fees - Non-Respondent	7 Stabil	ization (rills and gullies)		 & Markers	
8 AML Rec. Fees - Failure to Pay	E. Excess Spoil Dis		-		
B. Hydrologic Balance	1 Place			_ Signs	
I Drainage Control	2 Drain		-	Markers	
2 Inspections & Certifications	3 Surfa		к	Distance Prohibitions	
3 Siltation Structures		ctions & Certifications		ī, l	
4. Discharge Structures	ч пърс	cuons de certifications	L. Reveg		
5. Diversions	F. Coal Mine Was			Vegetative Cover	
6 Effluent Limits	(Refuse Piles/Ir		2	Timing	
7. Ground Water Monitoring	1 Drain		M.	Postmining Land Use	
8. Surface Water Monitoring	2 Surfa	ce Stabilization	-		
9 Drainage - Acid-Toxic Materials	3 Place	ment	N. Other		
10. Impoundments		ctions & Certifications	General		
11. Stream Buffer Zones	5 Impo	unding Structures	Performance Category		
C. Topsoil & Subsoil	G. Use of Explosi-	ves	A	30 CFR 800.23(B)(2)	
1 Removal	I Blaste	er Certification	<u> </u>	2 THROUGH (B)(4)	
2. Substitute Materials	2 Dista	nce Prohibitions			
3 Storage and Protection		Survey/Schedule			
4. Redistribution	4 Warn	ings & Records			
	5 Contr	ol of Adverse Effects			
Performance Standard Catego 30 CFR Counterparts		1. Placement		(816/817.71-74)	
A. Administrative	773.11	3. Surface Stabilization		71(f) 	
2. Mining within Bonded Area	····-773.11	4. Impections & Certificati	ians	71(6)	
Terms & Conditions of Permit Liability Insurance	800.60	F. Coal Mine Waste (Ketute Puevimpo	undments)816/817.81-84)	
5. Ownership and Control	778.13	2. Surface Stabilization			
7 AMI Dan Face Non Damandant	970 t (//L)	4 Inspections and Certifics	Ilone		
8. AML Rec. Fees - Failure to Pay		Impounding Structures -			
8. AML Rec. Fees - Failure to Pay - B. Hydrologic Balance - 1. Drainage Control -	- (810/817.41-37) 45	G. Use of Explosives -	*******	(816/817.61-68)	
2. Inspections & Certifications	49(a)(10)	2. Distance Prohibitions		6iði	
A Discharge Structures		3. Blast Survey/Schedule -		62.64	
5 Diversions	43	5. Control of Adverse Effe	ds	66 & 68 67	
6. Effluent Limits 7. Ground Water Monitoring	142.5	H. Subsidence Control	Plan	(817.121-122)	
8. Surface Water Monitoring	41(e)	I. Roads		(816/817,150-151)	
9. Drainage-Acid - Toxic Materials		2. Certification		131/a\	
11. Stream Buffer Zones	57	3 Dramage		1500515126	
1 Penns	(816/817,22)	4. Surfacing and Maintenar 5. Reclamation	1CE	150(e)-151(d) 150(f)	
2. Substitute Materials	22(c)	J. Sions & Markers -			
3. Storage and Protection	22(c) 22(d)	1. Signs ————————————————————————————————————		11(a),(b),&(c)	
2. Substitute Materials. 3. Storage and Protection 4. Redistribution D.Backfilling & Grading 1. Exposed Openings	-816/817,95-107)	K. Distance Prohibition)ps	(761.11)	
1. Exposed Openings 816/817.13.	14, 15, & 823.11 & 2[I. Reveretation			
2. Contemporareous Reclamation 3. Approximate Original Contour 4. Highwall Etimination 5. Steep Slopes (includes downslope) 6. Handling of Acid & Toxic Materials 7. Stabilization (tills and guillies)	100 102(<u>a</u> YI)	Vegetative Cover Timing	 		
4 Highwall Elimination	102(a5(25	M. Postmining Land	Úse	(816/817.133)	
5. Steep Slopes (includes downslope) 6. Handling of Acid & Toxic Materials	107 102(c)		=	(3-2,3-1,120)	
7. Stabilization (tills and gullies)	ŠŠ(Š)				

1) Deferred to State Action
2) TDN Issued
3) NOV Issued
4) FTA-CO Issued
5) ID-CO Issued (triminent Danger to Public)
7) Previously Cited by RA, abatement pending
9) NOV Issued
6) ID-CO Issued
7) FTA-CO Issued
9) Follow-up of Federal Action
6) ID-CO Issued
7) Follow-up of Federal Action
7) Off-site impact with no violation

Off-Site Impacts

For each type of impact and resource affected, enter

"N, D, or J" to describe the degree of off-site Impact:

N - Minor Occurrence

D - Moderate Occurrence

J - Major Occurrence

Page 2 of 3

Revised October 1, 2010

Mine Site Evaluation Field Visit Permit 483-T6 State Program Permittee/ THUNDER BASIN COAL COMPANY LLC Person Number Continuation Page L. Off-Site Impacts WYDEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing Chapter 11, Section 2(a)(vii)(A-D). A. Specific State Law/Regulations Violated: People Land Water Structures B. Description: Blasting Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming Stability C. Performance Standard: ΑN D. Abated (Y/N): N Hydrology Viol#: 01 E. OSM Action: 2 F. OSM Action Number: X16-010-549-005 Encroachment G. Optional: H. Any Off-Site Impacts (Y/N): N Other I. Latitude: 0435803 J. Longitude: 1051704 K. Blevation: L. Off-Site Impacts A. Specific State Law/Regulations Violated: People Land Water Structures B. Description: Blasting Stability C. Performance Standard: D. Abated (Y/N): Hydrology E. OSM Action: F. OSM Action Number: Viol#: Encroachment G. Optional: H. Any Off-Site Impacts (Y/N): Other I. Latitude: J. Longitude: K. Elevation: L. Off-Site Impacts A. Specific State Law/Regulations Violated: People Land Water Structures B. Description: Blasting Stability C. Performance Standard: D. Abated (Y/N): Hydrology E. OSM Action: F. OSM Action Number: Viol#: Encroachment G. Optional: H. Any Off-Site Impacts (Y/N); Other I. Latitude: J. Longitude: K. Elevation: L. Off-Site Impacts A. Specific State Law/Regulations Violated: People Land Water Structures B. Description: Blasting Stability C. Performance Standard: D. Abated (Y/N): Hydrology E. OSM Action: F. OSM Action Number: Viol#:

H. Any Off-Site Impacts (Y/N);

K. Elevation:

OSM Actio	
Deferred to State Action	 6) ID-CO Issued (Imminent Danger to F
2) TDN Issued	Previously cited by RA, abetement pe
3) NOV Issued	8) Abated during or before OSM inspect
4) FTA-CO Issued	9) Follow-up of Federal Action
5) IH-CO Issued	0) Off-site impact with no violation

G. Optional:

J. Latitude:

Follow-up of Federal Action
 Off-site impact with no violation

J. Longitude:

Encroachment

Other

[]	NITED ST	ATEST	DEPARTMENT OF	THE INTERIOR	Originating Office:	Casper Field Office	
J		Offic	ce of Surface Mining	J		US DOI, Office of Surface Mining	
		Reclan	nation and Enforcem	nent		100 East "B" Street	
		TEN	I-DAY NOTICE			Federal Building - Room 2128 Casper, WY 82601-1918	
						Oushai' 111 07001-1810	
	Number	X16-01	0-549-005	TV <u>1</u>	Telephone Number:	(307) 261-6541	
	Ton Do-	Matic	e to the State of	Wyoming	1		-
	of the Acafter received, o originati which the	ct or a peipt of or to sho ng office alleg	permit condition re this notice to take ow cause for such ce designated abov	equired by the Ac appropriate action failure and transmander, then a Federal occurring will be o	of. If the State Reguent to cause the viola nit notice of your action of the suconducted and appropertion.	e.g. a federal inspection, erson described below is in alatory Authority fails within tion(s) described herein to be beting to the Secretary through the coal mining operation opriate enforcement action is	n ten days be cor- gh the n at
	Permittee:	TH	UNDER BASIN COA	AL COMPANY LL	c c	County: CAMPBELL	✓ Surface
	(Or Operator	r if N o Pe r	-	— .			Underground
	Mailing A	ddress:	1 CITY PLACE I	DRIVED SUITE 300	0, <u>, ST. LOUIS, MO 6</u>	3141	-
	Permit Nu	ımber:	483-T6	Mine Name: <u>CC</u>	DAL CREEK MINE		☑ Other
01	NATURE	OF VIO	LATION AND LOCA	ATION:			
	Self-bond	guaran	tor no longer meets r	equirements to self	-bond in the State of V	Vyoming	
			-				
				Condition bel	nte Law, Regulation or lieved to have been viol	Permit WYDEQ Coal Rules, Cated: Section 4(a)(ii) reference	
	NATURE	OF VIO	LATION AND LOCA	ATION:			
				a a-		D 14	
				Section of Sta Condition bel	ite Law, Regulation or lieved to have been viol	Permit ated:	
	NATURE	OF VIO	LATION AND LOCA				
				Section of Sta	ate Law, Regulation or I	Permit	
			_		ieved to have been viol		
	Remarks of	or Recon	nmendations:				
						711	
	Date of No	otice:	01/21/2016	Signature of Author	orized Rep.:		
					110 10 10		
				Print Na	ame and ID: Frank Ba		
						٢	Dage 1 of 1
							Page 1 of 1 Revised October 1, 1998





Citizen Complaint

Citizen Co	mplaint Number	CC16-010-001	Date Complaint Received 12	2/16/2015
Complaina	ent PRBRC AND	WORC	Did citize	en request confidentiality?
Nature of 0	Complaint			
PRBRC A	ND WORC ALLEGE ONS IN WYOMING V	THAT ARCH COA	L AND ITS SUBSIDIARIES ARE CONDUCENT RECLAMATION BONDING AS REQ	CTING SURFACE COAL MINING UIRED BY SMCRA AND WEQA.
		· · · · · · · · · · · · · · · · · · ·		
F	Performance Standar (Check all that a		Acknowledgement Lette	o1/21/2016
x A.	Administrative		FO Decision Letter to Citize	n
В.	Hydrologic Balance		Citizen Informal Review Reques	st
c.	Topsoil & Subsoil			
D.	Backfilling & Grading		Informal Review Dat	е
E.	Excess Spoil Disposal		Result of Informal Review	
F.	Coal Mine Waste		Vezait of Illioung Vener	" <u> </u>
G.	Use of Explosive		Citizen Notified of Review Result	s
П н.	Subsidence Control Plan			
1. F	Roads		Comments	
J.	Signs & Markers			
К.	Distance Prohibitions			
L.	Revegation			
M.	Postmining Land Use			
			·	÷



Mine Site Evaluation State Program



1. Permittee/Person ARCH OF WYOMING INC		9. Permit Number		10. Permit Type
2. Address		377-T5		PP
PO BOX 460		11. Field Visit Da		13. SRA Present
		1/21/2016 пол-dd-уууу	CCR	N
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
HANNA	WY	A Territorian	P2	ADFG
	Phone Number	17. OSM Office #	18. CCID#	19. Land Code
82327	7) 325-6581	010	CC16-010-001	SF
7. Operator Name, if Different than P	ermittee	20. M.S.H.A. ID #	21. State Abbrev.	. 22. County/Burrough
8. Mine Name	1			
SEMINOE II MINE		97556	e Entity ID Number	24. State Office
obinivo a mina		77000	_ ! 	
25. Hours	26. Signature Block		27. Reviewing	Official:
1.0 a. Permit Review	11/1		(
0.0 b. Site Visit Time	Signature:		Sign	nature:
0.0 c. Travel Time	Frank Bartlett, 1	ID#549	Review Date:	1-21-2016
4.0 d. Report Writing	Printed Name:			mm - dd - yyyy
	Date: 1/21/2016		Is Supplemental MSI	E Page Used Y/N Y
	PP = Permanent Program NP = No F	Permit	·	· ·
Purpose Type Codes - Item 12 OxxOversight	RFxReclamation Fees		CRCitizen Complaint Refe CCitizen Complaint (init	
AxxAssistance Joint Inspection - Item 13 A joint Inspection is w	FxxFederal Actions then a state inspector accompanies and	C	CFAssistance	ř
Permit Status - Item 14	AB Abandon	ed: All surface and underg	ground coal mining activitie	s have ceased and operator
A Active: Coal mining activities occurring or pe disturbed.	AB1 Bond Fo	he site without completing a rfeiture: Bond forfeiture off		
IN Inactive (Permanent Program Permit): Phase Temporary Cessation of Operations. (Interin	Program Permit): AB2 Partially	or not yet commenced. Reclaimed Forteilure: Fort	elted site where all bonds h	have been used to reclaim site,
Coal mining completed and reclamation activ BR Bond Release: Reclamation completed and	State Regulatory AB3 Reclaims	iot reclaimed to Program si ed Forfeiture: Forfeited site	that has been reclaimed to	o Program standards.
Authority(RA) has released all of the bond (P.	hase III Release). NA Not Appl	icable: When site is unper	mitted.	
Site Status - Item 15 ND No Disturbance: No coal mining and reclama	MC Mining Complete: No minir tion regraded and awaiting bond		IS Non-Site Visit: Status of	of site not determined. e RA is pursulng actions to
operations have been started. EX Coal Exploration: Coal exploration operations	TC Temporary Cessation: The	RA has granted F	P revoke the permit, colle	cl the performance bond(s), orfeited site is in progress.
started and where coal mining operations hav begun.	re not 816/817:13(b).	F	R Forfeited and Reclaime	
AP Active Coal Producing: Coal surface mining granted for entire permitted area. For interim FO Abandoned Site: Abandoned site that is permitted by				doned site that is permitted but
AN Active Non-Producing: Active non-producing facility P2 Phase II Release: At least Phase II bond release there is no bond. AN Active Non-Producing: Active non-producing facility P2 Phase II Release: At least Phase II bond release there is no bond. WC Wildcat: Coal mining and reclamation operations here activity is not covered by the entire permitted area.				
NM No Mining: The Permit Status is active, site is Temporary Cessation, no surface coal mining	not in P3 Phase III Release: Reclam	ation completed and	the required permils fro	
activity, and site not regraded.	mo ro chias roloasca all bor			
Facility Type Codes - Item 16 DAncillary (Ha	ulroad, Conveyor, and/or Rails H.,Ex	cploration Permits	KGovernment Financed	Construction Exemption
ASurface ERefuse and/o BUnderground FLoading Facil	or Impoundment INo		LRemining site permitte	
CPreparation Plant GSlockpiles				
	Small Business Regulatory Enforce Your Comments ar	e Important	•	
The Small Business and Agriculture Regulatory Enforceme enforcement actions. The Ombudsman will annually evalu	ent Ombudsman and 10 Regional Fairness Bo rate the enforcement activites and rate each eg	ards were established to receiv gency's responsiveness to smal	ll business. If you are a small b	sses aboul Federal agency Jusiness (a business with 500 or
fewer employees including those of affiliates) and wish to d	comment on the enforcement or compliance ad	ctivities of OSM, call 1-888-REG	G-FAIR (1-888-734-3247).	Page 1

U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING Mine Site Evaluation

Permittee/ Person ARCH OF WYOMING INC	Permit 377-T5	Field Visit 1/21/2016	State Program Continuation Page

Person	, men of mountoine	Number	377 13	Date		Continuation Page
_	00 D		- Ctarad	and Catagon	!	
	28. P	ertormand	e Stand	ard Categor	ies	
	Codes:1=Compliance, 2=Noncompllance	, 3=Not Planned, 4=Not S	tarted, 5=Noncomp	iance Identified Elsewhere, 6=	Previously Ci	ted, 7=Permit Defect
					Н.	Subsidence Control Plan
A. Administ	rative	D. Backfilling				-
	Mining within Valid Permit	1	Exposed Openings	Paglamation	I. Roads	
2. —	Mining within Bonded Area	2. —	Contemporaneous	Reciamation		_ Road Construction
	Terms & Conditions of Permit	3	Approximate Orig	inai Coniour :	2,	Certification
	_ Liability Insurance		Highwall Eliminat		3	Drainage Surfacing and Maintenance Reclamation
	Ownership and Control		Steep Slopes (incl		4	Surfacing and Maintenance
	_ Temporary Cessation			and Toxic Materials	5	Reclamation
	AML Rec. Fees - Non-Respondent	7	Stabilization (rills	and guilles)	J. Signs	& Markers
8	_ AML Rec. Fees - Failure to Pay	E. Excess Spe				Signs
B. Hydrolog	ic Balance	1	Placement		2	Markers
l	_ Drainage Control	2. <u> </u>	Drainage Control Surface Stabilizat		K.	Distance Prohibitions
	Inspections & Certifications	3	Surface Stabilizat	ion		-
3	Siltation Structures	4	Inspections & Cer	tifications	L. Reveg	etation
4. —	_ Discharge Structures	F. Coal Mine	Waste		1	Vegetative Cover
	_ Diversions		iles/Impoundmer	its)	2.	Timing
	_ Effluent Limits	i	Drainage Control			Postmining Land Use
7. —	Ground Water Monitoring	2	Surface Stabilizat	ion		- Tostmaning Earlier Coc
8	Surface Water Monitoring	3	Placement		N. Other	
	_ Drainage - Acid-Toxic Materials	4	Inspections & Ce	rtifications	General	
	Impoundments	5	Impounding Struc	ctures	Performance	
11	_ Stream Buffer Zones	G. Use of E	rnlosivas		Category	30 CFR 800.23(B)(2)
C. Topsoil &			Blaster Certificati	on	<u> </u>	2 THROUGH (B)(4)
I	_ Removal	;.—	Distance Prohibit	ione		
	Substitute Materials	3	Blast Survey/Sch	edule		
	Storage and Protection		Warnings & Reco			
4	Redistribution	5.	Control of Adver			
	Performance Standard Cat					
	30 CFR Counterpart		E,	Excess Spoil Disposal		(816/817.71-74)
A Adminis	trative		2	Drainage Control		710
1 Valid D	artrold	773 11	3. 4.	Surface Stabilization		71(f)
2 Tanne	within Bonded Area		F.	Coal Mine Waste (Ref	se Piles/Imp	oundments)816/817,31-84)
			1.	Drainage Control		oundments)816/817,81-34)
5. Owners	hip and Control		3.			
7. AML R	y Insurance hip and Control ary Cessation ec. Fees - Non-Respondent	870.15(b)	4.	Inspections and Certification	\$	83(d) 84 (816/817.61-68)
8. ANILK	ec. rees - raume to ray	(816/817.41-57)	G ⁾	Ilse of Explosives	*******	(816/817.61-68)
1 Drafmac	te Control		1	Blaster Certification		61(¢)
2 674-11-1	ons & Certifications		•	Distance Prohibitions	**********	61(d)
4 Disabas	as Comments	4	À	Warnings & Records		
t Daranal	sink Limits		5	Control of Adverse Effects-		(817.121-122)
7 Orainst	Water Monitoring	41/c)		Subsidence Control Pla	111	(816/817.150-151)
O Desimos	Water Monitoring		1	Road Construction		110(c)
10. Impour	drients. Buffer Zones		2	Cartification		
11. Stream	Buffer Zones	57 (916/917 12)	3	Surfacing and Maintenance	 , . , . , . ,	150(e)-151(d) 150(t)
1 Remove	<u> </u>	22(a)	-	Rechnition	······································	150(6)
2. Subaiti	Le Materials	22(¢)	, J.	Signs & Markers	····	816/817.11)
 Storage Redictri 	and riotection		2	Markers		11(a),(b),(d),(e),&(f)
D.Backfilli	and Protection button ing & Gradling d Op mings poraneous Rechmation inate Original Contour ill Elimination	<u> </u>	K.	Distance Probibitions		(/01.11)
1. Expose	d Openings	.13,14,15,&823.11&21	L;	Revegetation	,.,.,	(816/817.111-116)
3. Approx	mate Original Cortour	102(2)(1)	2	Timing		(\$16/\$17.133)
4. Highwa 5. Steep S	Il Elimination ————————————————————————————————————	102(a)(2)	M.	Postmining Land Use		(816/817.133)
6. Handlin	lopes (includes downslope)	102(c)	ı			
7. Stabiliz	ation (tills and gullies)	95(b)				

U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING **Mine Site Evaluation**

Permittee/ Person ARCH OF WYOMING INC Permit Number 377-T5	dd Visit Date 1/21/2016 State Program Continuation Page
A. Specific State Law/Regulations Violated: WY DEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing Chapter 11, Section 2(a)(vii)(A-D).	L. Off-Site Impacts
B. Description: Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming. C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-004 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N I. Latitude: 0415320 J. Longitude: 1063217 K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A Specific State Law Decorlations Violated	L. Off-Site Impacts
A. Specific State Law/Regulations Violated: B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N):	People Land Water Structures Blasting Stability Stability

Off-Site Impacts
For each type of impact and resource affected, enter
"N, D, or 3" to describe the degree of off-site impact:
N-Minor Occurrence
D-Moderate Occurrence
J-Major Occurrence

Page 3 of 3

Revised October 1, 2010

UNITED STATES DEPARTMENT OF THE INTERIOR	Originating Office:	Casper Field Office	•••
Office of Surface Mining	0 0	US DOI, Office of Surface Mining	
Reclamation and Enforcement		100 East "B" Street	
TEN-DAY NOTICE		Federal Bullding - Room 2128	
		Casper, WY 82601-1918	
Number X16-010-549-004 TV 1	Telephone Number:	(307) 261-6541	
Ten-Day Notice to the State of Wyoming			
You are notified that, as a result of Citizen Information, etc.) the Secretary has reason to of the Act or a permit condition required by the Act after receipt of this notice to take appropriate action rected, or to show cause for such failure and transmoriginating office designated above, then a Federal which the alleged violation(s) is occurring will be equired by Section 521(a)(1) of the Act will be taken	o believe that the part of the State Regular to cause the violant notice of your action of the standard appropriate and appropriate the standard appropriate that the part of the standard appropriate that the standard appropriate the standard appropriate that the standard appropriate the standard appropriate the standard appropriate that the standard appropriate the standard approp	ulatory Authority fails with tion(s) described herein to ctino to the Secretary throu urface coal mining operation	in ten days be cor- igh the on at
Permittee: ARCH OF WYOMING INC	(County: CARBON	✓ Surface
(Or Operator if No Fermit)			Underground
Mailing Address: PO BOX 460, , HANNA, WY 82327			. -
Permit Number: 377-T5 Mine Name: SEM	MINOE II MINE		☑ Other
01 NATURE OF VIOLATION AND LOCATION:			_
Self-bond guarantor no longer meets requirements to self-	bond in the State of V	Vvoming.	
Zona gamano no tongo moto volumento de con-		, 	
Condition beli	te Law, Regulation or leved to have been viol	Permit WY DEQ Coal Rules, ated: Section 4(a)(ii) referen	
NATURE OF VIOLATION AND LOCATION:			
			-
Section of Stat	te Law, Regulation or leved to have been viol	Permit	
NATURE OF VIOLATION AND LOCATION:	eved to have been viol	atea:	
NATURE OF VIOLATION AND LOCATION.			
		•	
	te Law, Regulation or I eved to have been viol		
Remarks or Recommendations:		<u>. </u>	
TOTALLE OF TEOCHMISMONION			
		•	
Date of Notice: 01/21/2016 Signature of Autho	rized Ren	7 K/h	
Date of Police. U121/2010 Signiture of Patrice	Theod Rop	2/00	
Drint Mo.	me and ID: Frank Ba	artlett ID# 549	
Frant Ivan	me and id: Frank Da	H HOLL 112# 377	
		Г	Dago 1 af 1
			Page 1 of 1 Revised October 1, 1998

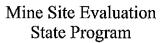




Citizen Complaint

Citize	en Comp	plaint Number CC16-010-001	Date Complaint Received 12/1	6/2015
Com	plainant	PRBRC AND WORC	Did citizen	request confidentiality?
Natu	re of Coi	mplaint		
			AL AND ITS SUBSIDIARIES ARE CONDUCTION IN THE CONDUCTION BONDING AS REQUI	
	Per	formance Standard Category (Check all that apply)	Acknowledgement Letter	01/21/2016
×	A. Adı	ministrative	FO Decision Letter to Citizen	
	-	drologic Balance psoil & Subsoil	Citizen Informal Review Request	
	D. Bad	ckfilling & Grading	Informal Review Date	
		cess Spoil Disposal al Mine Waste	Result of Informal Review	
	G. Use	e of Explosive	Citizen Notified of Review Results	
	H. Sul	bsidence Control Plan		
	I. Roa	ds	Comments	
Ц	_	ns & Markers		
Щ		tance Prohibitions		
		vegation stmining Land Use		







Page 1

1. Permittee/Person		9. Permit Number		10. Permit Type
ENERGY DEVL CO		334-T2		PP
2. Address		11. Field Visit Da	ite 12. Purpose	13. SRA Present
PO BOX 460		1/21/2016	CCR	N
		mm - dd - уууу		— (
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
HANNA	WY	A	P1	ABDF
5. Zip Code 6.	Phone Number	17. OSM Office #	# 18. CCID#	19. Land Code
	7) 325-6565	010	CC16-010-001	SF
7. Operator Name, if Different than F	Permittee	20. M.S.H.A. ID #	21. State Abbrev.	22. County/Burrough
ENERGY DEVL CO			WY	CARBON
8. Mine Name		23. AVS Permitte	ee Entity ID Number	24. State Office
ENERGY DEVELOPMENT CO		102257]	
	<u> </u>			<u>-</u>
25. Hours	26. Signature Block		27. Reviewing	Official:
1.0 a. Permit Review	1/2			
0.0 b. Site Visit Time	Signature:		Sign	ature:
0,0 c. Travel Time	Frank Bartlett, l	ID#549	Review Date:	1-21-2016
4.0 d. Report Writing	Printed Name:			mm - dd - yyyy
	Date: 1/21/2016		Is Supplemental MSI	E Page Used Y/N Y
Permit Type - Item 10 IP = Interim Program	PP = Permanent Program NP = No P	Permit	1	
Purpose Type Codes - Item 12 OxxOversight	RFxReclamation Fees		CRCitizen Complaint Refe CCitizen Complaint (initi	
AxxAssistance	FxxFederal Actions	C	CFAssistance	
Joint Inspection - Item 13 A joint inspection is v Permit Status - Item 14				
A Active: Coal mining activities occurring or pe	ermilled but not yet has left to	he sile without completing	reclamation as defined in 30	
disturbed. IN Inactive (Permanent Program Permit): Phas	e II completed or progress	or not yet commenced.	icially in process or complet	
Temporary Cessation of Operations. (Interin Coal mining completed and reclamation active	n Program Permit): AB2 Partially dities initiated but site r	Reclaimed Forfeiture: For not reclaimed to Program s	feited site where all bonds h tandards.	ave been used to reclaim site,
BR Bond Release: Reclamation completed and Authority(RA) has released all of the bond (R	State Regulatory AB3 Reclaims	ed Forfeiture: Forfeited site icable: When site is unper	e that has been reclaimed to	Program standards.
	<u> </u>		militioo.	
Site Status - Item 15 ND No Disturbance: No coal mining and reclama	MC Mining Complete: No mining ation regraded and awaiting bond		Non-Site Visit: Status o Forfeiture Pending: The	f site not determined. RA is pursuing actions to
operations have been started. EX Coal Exploration: Coal exploration operation	TC Temporary Cessation: The	RA has granted	P revoke the permit, collect	of the performance bond(s),
started and where coal mining operations have	ve not 816/817:13(b).	F	R Forfeited and Reclaimed	rfeited site is in progress. d: Forfeiture reclamation
begun. AP Active Coal Producing: Coal surface mining	P1 Phase Release: At least 6 granted for entire permitted		completed. O Abandoned Site: Aband	loned site that is permitted but
activities are occurring. AN Active Non-Producing: Active non-producing	permits, partial bond releas	e.	there is no bond.	nd reclamation operations have
such as tipple or preparation plant.	for the entire permitted area	а.	or are taking place and t	the activity is not covered by
NM No Mining: The Permit Status is active, site in Temporary Cessation, no surface coal mining activity, and site not regraded.			the required permits from	n the RA.
Facility Type Codes - Item 16 DAncillary (Ha	nulrond Conveyor andler Dails 11 C	xploration Permits	KGovernment Financed	Construction Evernation
ASurface ERefuse and/	or Impoundment INo	otice of Intent to Explore	LRemining site permitted	
BUnderground FLoading Fac CPreparation Plant GStockpfles	ility and/or Tipple J,E	xempt 16 and 2/3		
	Small Business Regulatory Enforce		FA)	
The Small Business and Agriculture Regulatory Enforcem	Your Comments ar ent Ombudsman and 10 Regional Fairness Bo	ards were established to receiv	re comments from small busines	ses about Federal agency
enforcement actions. The Ombudsman will annually evaluation fewer employees including those of affiliates) and wish to				usiness (a business with 500 or

Mine Site Evaluation

Permittee/ Person	ENERGY DEVL CO	Permi Numbe	1 334-T2	Field Visit Date 1/21/2016		State Program Continuation Page
	28. Pe	erformanc 3=Not Planned, 4=Not S	ce Standar	d Categories Identified Elsewhere, 6=Previou	usly Cite	d, 7=Permit Defect
A. Administr	rativa	D. Backfillin	a & Gradina	Н.		Subsidence Control Plan
A. Auminsii	_ Mining within Valid Permit		Exposed Openings	τ .	Roads	
2. —	Mining within Bonded Area	2.	Contemporaneous Reck			Road Construction
	Terms & Conditions of Permit	3.	Approximate Original C			Certification
	Liability Insurance		Highwall Elimination			Drainage
	Ownership and Control		Steep Slopes (includes of			Surfacing and Maintenance
	Temporary Cessation		Handling of Acid and T			Reclamation
				11:3		-
	AML Rec. Fees - Non-Respondent	<i>1.</i>	Stabilization (rills and g	J.	Signs &	Markers
	_ AML Rec. Fees - Failure to Pay	E. Excess Sp		1.		Signs
B. Hydrologi	le Balance	I	Placement Drainage Control	2.		Markers
	Drainage Control	2	Drainage Control	K.		Distance Prohibitions
	Inspections & Certifications		Surface Stabilization			
	Siltation Structures	4	Inspections & Certifica	tions L.	Revege	tation
	Discharge Structures	F. Coal Min	a Wasta	1.		Vegetative Cover
	Diversions		Piles/Impoundments)			Timing
6	Effluent Limits		Drainage Control			-
7	Ground Water Monitoring	2.	Surface Stabilization	141.		Postmining Land Use
	Surface Water Monitoring		Placement	N	Other	
	Drainage - Acid-Toxic Materials		Inspections & Certifica	dione		
10	Impoundments		Impounding Structures	Perfo	neral rmance	
. 11	Stream Buffer Zones			Cal	едогу	30 CFR 800.23(B)(2)
C. Topsoil &	Subsoil	G. Use of E	•		<u>A</u> .	2 THROUGH (B)(4)
	Removal	1	Blaster Certification			
2.	Substitute Materials	2. —	Distance Prohibitions			
3.	Storage and Protection		Blast Survey/Schedule			
4.	Redistribution		Warnings & Records	·		
		5	Control of Adverse Eff			
	Performance Standard Cat		E. Ex	cess Spoll Disposal	· ·	(816/817.71-74)
	30 CFR Counterpart		l. Pla	Central		71(e)
A. Adminis	trative	773.11	ີ່ . ເຮົາ	rface Stabilization.		71(f) 71(g) 71(h)
2. Mining	rmit Asthin Bonded Area Conditions of Permit	773.11	4. Int	pections & Certifications		71(h)
				inage Control		undments)
5. Owners)	rip and Control	778.13	2. S u			
6. Tempéra 7 AMLR	ry Cessation	842.11(e)&810/817.13:	1 3. Pla 1 4. Ins	cement pections and Certifications		
8. AMLR	Insuance injusted Control iny Cessition iny Cessition in Fees - Non-Respondent in Fees - Failure to Pay gic Balance	870.15(a	5. lm	pounding Structures		\$3(d)
B. Hydrolo	gic Balancee c Control	—— (810/817.41-57)) G. Uşo I. Bla	e of Explosives		(816/817.61-68)
2 tomant	une de Cartifications		ነ ነ ነት	tenes Probibitions		
3. Siltation	Singhues	4(3. Bla	st Survey Schedule		62-64
t the court of			5. Ca	ntrol of Adverse Effects		
6. Effluent	Links	47	H. Sub	sidence Control Plan 🛶		(817.121-122)
7. Ground 8. Surface	Water Monitoring Water Monitoring	41(e	J. Roa	ds		(816/817.150-151)
O Drafman	e-Acid - Toxic Materials	ΔΙΙΤ	2. Ce	rtification		151(a)
11 Stream	Biffer Zones		וע ,כ	inage		150A) 151A
C. Tonsoil	& Subsoil -	(816/817,22))	riacing and Mannenance	·	130(e)-151(d)
2 Substitut	le Materials.		! I Sim	ne & Markore		
	16. 15.05	22/-	` 1 Sig	ns		11(a),(b),&(c)
4. Redistril	ution ————————————————————————————————————	916/917 05 107) L. Ma N. Di	stance Prohibitions		(761.11)
l. Exposed	and receion oution ig & Grading Opening: poraneous Reclamation	13, 14, 15, & 823.11 & 2	L. Re	veretation		(816/817.111-116)
2. Contem	poraneous Reclamation	100	1. Ve	getative Cover		
 Approxi Highwal 	mate Original Contour I Elimination		2. Thr	ostmining Land Use	· · · · · · · · · · · · · · · · · · ·	(816/817.133)
5. Steep SI	opes (includes downslope) g of Acid & Toxic Materials tion (rills and guilles)				-	(aratak i sran)
6. Handlin 7. Stabinza	g of Acid & 10xic platenals	95h	ζ			

1) Deferred to State Action
2) TDN Issued
3) NOV Issued
4) FTA-CO Issued
5) IH-CO Issued
6) ID-CO Issued (Imminent Danger to Public)
7) Previously cited by RA, abatement pending
3) NOV Issued
8) Abated during or before OSM Inspection
9) Follow-up of Federal Action
0) Off-site impact with no violation

Off-Site Impacts

For each type of impact and resource affected, enter

'N, D, or J' to describe the degree of off-site impact:

N - Minor Occurrence

D - Moderate Occurrence

J - Major Occurrence

Page 2 of 3 Revised October 1, 2010

Mine Site Evaluation

Permittee/ Person ENERGY DEVL CO Permit Number 334-T2 Fiel	d Visit Date 1/21/2016 State Program Continuation Page
A. Specific State Law/Regulations Violated: WYDEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing Chapter	L. Off-Site Impacts
B. Description:	People Land Water Structures
Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming. C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-003 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N	Blasting
I. Latitude: 0415200 J. Longitude: 1063824 K. Elevation:	
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts People Land Water Structures
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
A. Specific State Law/Regulations Violated: B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting

UNITED STATES DEPARTMENT OF THE INTERIOR	OR Originating Office:	Casper Field Office	
Office of Surface Mining		US DOI, Office of Surface Mining	
Reclamation and Enforcement		100 East "B" Street	
TEN-DAY NOTICE		Federal Building - Room 2128 Casper, WY 82601-1918	
		- Casper, HT 02001-1510	
Number X16-010-549-003 TV 1	Telephone Number:	(307) 261-6541	
Ten-Day Notice to the State of Wyoming			
You are notified that, as a result of Citizen citizen information, etc.) the Secretary has re of the Act or a permit condition required by t after receipt of this notice to take appropriate rected, or to show cause for such failure and originating office designated above, then a Fe which the alleged violation(s) is occurring with quired by Section 521(a)(1) of the Act will be	ason to believe that the part in the Act. If the State Regularies action to cause the violar transmit notice of your action of the state in the conducted and appraisation of the state and appraisation.	platory Authority fails with tion(s) described herein to tino to the Secretary thro turface coal mining operati	hin ten days be cor- ugh the on at
Permittee: ENERGY DEVL CO	(County: CARBON	✓ Surface
(Or Operator if No Permit)			- Underground
Mailing Address: PO BOX 460, , HANNA, WY 8	32327		- -
Permit Number: 334-T2 Mine Name	e: ENERGY DEVELOPMI	ENT CO	Other
01 NATURE OF VIOLATION AND LOCATION:			
Self-bond guarantor no longer meets requirements	to self-hond in the State of V	Vvoming.	
zon zona gunanos no tongo: meets terjaneement		, <i>j om</i> g.	
	n of State Law, Regulation or I ion believed to have been viol	Permit WYDEQ Coal Rules, ated: Section 4(a)(ii) refere	
	n of State Law, Regulation or I ion believed to have been viol		
	n of State Law, Regulation or I		
	ion believed to have been viola	ated;	
Remarks or Recommendations:			
Date of Notice: 01/21/2016 Signature of	f Authorized Rep.:	7/1	
Date of Notice: 01/21/2010 Signature of	Aumorized Rep.:		
P	rint Name and ID: Frank Ba	rflett ID# 549	_
			Page 1 of 1 Revised October 1, 1998





Citizen Complaint

Citize	n Coi	mplaint Number	CC16-010-001	Date Complaint Received 12/	16/2015
Comp	laina	nt PRBRC AND	WORC	Did citize	n request confidentiality?
Natur	e of C	Complaint			
PRBF OPEF	RC AI	ND WORC ALLEGE ONS IN WYOMING	THAT ARCH COA	L AND ITS SUBSIDIARIES ARE CONDUC ENT RECLAMATION BONDING AS REQU	TING SURFACE COAL MINING IRED BY SMCRA AND WEQA.
				· · · · · · · · · · · · · · · · · · ·	
					
	Р	erformance Standar (Check all that a		Acknowledgement Letter	01/21/2016
×	Α.	Administrative		FO Decision Letter to Citizen	
	В.	Hydrologic Balance		0111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
$\overline{\Box}$	C.	Topsoil & Subsoil		Citizen Informal Review Request	
	D.	Backfilling & Grading		Informal Review Date	
	E.	Excess Spoil Disposal			
$\overline{\Box}$	F. •	Coal Mine Waste		Result of Informal Review	
	G.	Use of Explosive		Citizen Notified of Review Results	
	H.	Subsidence Control Plan			
$\overline{\Box}$	I. F	Roads		Comments	
一	J. 8	Signs & Markers			
\Box	к.	Distance Prohibitions			
Ħ	٤. ا	Revegation			
	М.	Postmining Land Use			
_					
					,



Mine Site Evaluation State Program



Page 1

1. Permittee/Person		9. Permit Number	•	10. Permit Type
ARCH OF WYOMING LLC		331-T6		PP ,
2. Address		11. Field Visit Da	ate 12. Purpose	13. SRA Present
1 CITY PLACE DRIVE SUITE 300		1/21/2016	CCR	N
		mm - dd - уууу	_/ \ <u></u>	
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
ST LOUIS	МО	A	MC	ADG
	Phone Number 4) 994-2956	17. OSM Office #	18. CCID # CC16-010-001	19. Land Code
7. Operator Name, if Different than Pe	ermittee	20. M.S.H.A. ID #		22. County/Burrough
ARCH OF WYOMING LLC		48-00900	WY	CARBON
8. Mine Name			ee Entity ID Number	24. State Office
MEDICINE BOW MINE		145743		
25. Hours	26. Signature Block		27 Derdougha	Official.
25. Hours	20. Signature Diock		27. Reviewing	Official:
1.0 a. Permit Review	-/1			
0.0 b. Site Visit Time	Signature;		Sign	nature:
0.0 c. Travel Time	Frank Bartlett, 1		Review Date:	1-21-2016
4.0 d. Report Writing	Printed Name:			mm - dd - yyyy
	Date: 1/21/2016		Is Supplemental MSI	E Page Used Y/N Y
	PP = Permanent Program NP ≈ No F	Permil		
Purpose Type Codes - Item 12 OxxOversight	RFxReclamation Fees		CRCitizen Complaint Refe CCitizen Complaint (initi	
AxxAssistance	FxxFederal Actions	C	CFAssistance	•
Joint Inspection - Item 13 A joint inspection is w Permit Status - Item 14				
A Active: Coal mining activities occurring or per	ermitted but not yet has left t	the site without completing	reclamation as defined in 36	
disturbed. IN Inactive (Permanent Program Permit): Phase		orfeiture: Bond forfeiture off s or not yet commenced.	ficially in process or comple	ted and reclamation in
Temporary Cessation of Operations. (Interim Coal mining completed and reclamation activi	n Program Permit): AB2 Partially	Reclaimed Forfeiture: Forf		nave been used to reclaim site,
BR Bond Release: Reclamation completed and S	State Regulatory AB3 Reclaims	not rectaimed to Program st ed Forfetture: Forfeited site	e that has been reclaimed to	Program standards.
Authority(RA) has released all of the bond (Pr	nase III Release). NA Not Appl	licable: When site is unper	mitted.	
Site Status - Item 15	MC Mining Complete: No minir		S Non-Sile Visit: Status o	
ND No Disturbance: No coal mining and reclamat operations have been started.	TC Temporary Cessation: The			e RA is pursuing actions to ct the performance bond(s),
EX Coal Exploration: Coal exploration operations started and where coal mining operations have	s have cessation of mining pursual	int to 30 CFR	and/or reclamation of fo	neited site is in progress.
begun.	P1 Phase I Release: At least F	Phase I bond release	 FR Forfeited and Reclaimed completed. 	
AP Active Coal Producing: Coal surface mining activities are occurring.	granted for entire permitted permits, partial bond releas	se.	 Abandoned Site: Aband there is no bond. 	doned site that is permitted but
AN Active Non-Producing: Active non-producing f such as tipple or preparation plant.	facility P2 Phase II Release: At least for the entire permitted area		VC Wildcat: Coal mining ar	nd reclamation operations have the activity is not covered by
NM No Mining: The Permit Status is active, site Is Temporary Cessatlon, no surface coal mining	s not in P3 Phase III Release: Reclam	nation completed and	the required permits from	
activity, and site not regraded.	tile for has foleased all bol.	14.		
Facility Type Codes - Item 16 DAncillary (Had	utroad, Conveyor, and/or Rails HE:	xploration Permits	KGovernment Financed	Construction Exemption
ASurface ERefuse and/o	or Impoundment INo	otice of Intent to Explore	LRemining site permitted	
BUnderground FLoading Facili CPreparation Plant GStockpiles	try and/or Tipple J,C	xempl 16 and 2/3		
	Small Business Regulatory Enforce	ment Fairness Act (SBRE	:FA)	
The Small Business and Agriculture Regulatory Enforceme	Your Comments ar ent Ombudsman and 10 Regional Fairness Bo	re important pards were established to receiv	re comments from small busines	ses shout Federal agency
enforcement actions. The Ombudsman will annually evaluate	ale the enforcement activites and rate each a	gency's responsiveness to small	Il business. If you are a small be	usiness (a business with 500 or

Mine Site Evaluation

Permittee/ Person ARCH OF WYOMING LLC	Permit 331-T6	Field Visit 1/21/2016	State Program Continuation Page
	rformance Stand Not Planned, 4=Not Started, 5=Noncomp	lard Categories	ted, 7≕Permit Defect
A. Administrative 1Mining within Valid Permit 2Mining within Bonded Area 3Terms & Conditions of Permit 4Liability Insurance 5Ownership and Control 6Temporary Cessation 7AML Rec. Fees - Non-Respondent 8AML Rec. Fees - Failure to Pay B. Hydrologic Balance 1Drainage Control 2Inspections & Certifications 3Siltation Structures 4Discharge Structures 5Diversions 6Bfiluent Limits 7Ground Water Monitoring 8Surface Water Monitoring 9Drainage - Acid-Toxic Materials 10Impoundments	D. Backfilling & Grading 1 Exposed Opening: 2 Contemporaneous 3 Approximate Orig 4 Highwall Eliminat 5 Steep Slopes (incl 6 Handling of Acid 7 Stabilization (rills E. Excess Spoil Disposal 1 Placement 2 Drainage Control 3 Surface Stabilizat 4 Inspections & Cer F. Coal Mine Waste (Refuse Piles/Impoundmen 1 Drainage Control 2 Surface Stabilizat 3 Placement 4 Inspections & Cer	Reclamation	Road Construction Certification Drainage Surfacing and Maintenance Reclamation & Markers Signs Markers Distance Prohibitions etation Vegetative Cover Timing Postmining Land Use
11. Stream Buffer Zones C. Topsoil & Subsoil 1. Removal 2. Substitute Materials 3. Storage and Protection 4. Redistribution	4Inspections & Cet 5Impounding Struct G. Use of Explosives 1 Blaster Certificati 2 Distance Prohibiti 3 Blast Survey/Sche 4 Warnings & Reco 5 Control of Advers	on A ions edule	2 30 CFR 800.23(B)(2) THROUGH (B)(4)
Performance Standard Categ 30 CFR Counterparts A. Administrative 1. Valid Permit 2. Mining within Bonded Area 3. Terms & Conditions of Permit 4. Liability Inanarre 5. Ownership and Control 6. Temponary Cessation 8. AML Rec. Fees - Non-Respondent 8. AML Rec. Fees - Failure to Pay B. Hydrologic Balance 1. Drainage Control 2. Inspections & Certifications 3. Silitation Structures 4. Discharge Structures 5. Diversions 6. Effluent Limits 7. Ground Water Monitoring 8. Surface Water Monitoring 9. Drainage-Actid - Toxic Materials 10. Impoundments 11. Stream Buffer Zones C. Topsoil & Subsoil 1. Removal 2. Substitute Materials 3. Storage and Protection 4. Redistribution D. Backfilling & Grading 1. Exposed Openings 2. Contemporaneous Reclamation 3. Approximate Original Contour 4. Highwall Elimination 5. Steep Stopes (includes downslope) 6. Handling of Acid & Toxic Materials 7. Stabilization (fills and guillies)	Corles	Excess Spoil Disposal Placement. Drabage Control Surface Stabilization Inspections & Certifications Coal Mine Waste (Refuse Piles/Impo Drainage Control Surface Stabilization Placement Inspections and Certifications Impounding Structures Use of Explosives Blaster Certification Distance Prohibitions Blag Survey/Schedule Warnings & Records Control of Adverse Effects Subsidence Control Plan Roads Road Construction Certification Drabage Surfacing and Maintenance Reclamation Signs & Markers Signs Makers Distance Prohibitions Revegetation	71(c) 71(f) 71(f) 71(g) 71(g) 71(h)

U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING **Mine Site Evaluation**

Permittee/ Person ARCH OF WYOMING LLC Permit Number 331-T6	d Visit Date 1/21/2016	State Program Continuation Page
A. Specific State Law/Regulations Violated: WY DEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing		ff-Site Impacts
Chapter II, Section 2(a)(vii)(A-D). B. Description: Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming.	Blasting	Land Water Structures
C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-002 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N I. Latitude: 0415741 J. Longitude: 1064741 K. Elevation:	Stability Hydrology Encroachment Other	
A. Specific State Ław/Regulations Violated:	L, O	ff-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): B. OSM Action: F. OSM Action Number: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Blasting Stability Hydrology Encroachment Other	Land Water Structures
A Specific State Low/Decolations Visited	L.O	ff-Site Impacts
A. Specific State Law/Regulations Violated: B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	Blasting Stability Hydrology Cencroachment Other	Land Water Structures
A. Specific State Law/Regulations Violated:		ff-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Blasting Stability Hydrology Encroachment Other	Land Water Structures

OSM Action

1) Deferred to State Action
2) TON Issued
3) NOV Issued
4) FRA-Co Issued (Imminent Danger to Public)
3) NOV Issued
4) Abated during or before OSM Inspection
4) FRA-Co Issued
5) IH-CO Issued
0) Off-site impact with no violation

Off-Site Impacts
For each type of Impact and resource affected, enter
"N, D, or J" to describe the degree of off-site impact:
N - Minor Occurrence
D - Moderate Occurrence
J - Major Occurrence

Page 3 of 3

Revised October 1, 2010

UNITED STATES DEPARTMENT OF THE	INTERIOR	Originating Office:	Casper Fleid O	ffice	<u></u>
Office of Surface Mining		J	US DOI, Office	of Surface Mining	
Reclamation and Enforcement			100 East "B" Si	Ireet	
TEN-DAY NOTICE			Federal Building	g - Room 2128	
			Casper, WY 82	2601-1918	
Number X16-010-549-002 TV		Telephone Number:	(307) 261-6	541	
	yoming				
You are notified that, as a result of citizen information, etc.) the Secretary of the Act or a permit condition require after receipt of this notice to take apprected, or to show cause for such failu originating office designated above, the which the alleged violation(s) is occur quired by Section 521(a)(1) of the Act	y has reason to red by the Actropriate action action are and transmen a Federal rring will be controlled.	o believe that the post. If the State Regulance it cause the violate it notice of your action of the suconducted and appropriate the suconducted and appropriate inspection.	llatory Au tion(s) des ctino to the urface coa	thority fails within scribed herein to b e Secretary throug I mining operation	n ten days e cor- h the nat
Permittee: ARCH OF WYOMING LLC		C	County: C	CARBON	✓ Surface
(Or Operator if N o Permit)		•			— — — — — — — — — —
Mailing Address: 1 CITY PLACE DRIV	E SUITE 300,	ST LOUIS, MO 6314	41		Underground
Permit Number: 331-T6 Mi	ine Name: ME	EDICINE BOW MINE	£		✓ Other
01 NATURE OF VIOLATION AND LOCATIO	N:				-
Self-bond guarantor no longer meets requi		hand in the State of V	Vvoming.		
Sen-bond guarantor no longer meets requir	cincina to sen-	sona in the state of t	, jonning.		
NATURE OF VIOLATION AND LOCATIO	Condition beli	te Law, Regulation or I eved to have been viole		/ DEQ Coal Rules, C tion 4(a)(ii) referenc	
NATURE OF VIOLATION AND LOCATIO	IN;				
		te Law, Regulation or I eved to have been viol			
NATURE OF VIOLATION AND LOCATIO	N:				
				•	
	Section of Sta Condition beli	te Law, Regulation or I leved to have been viola	Permit ated:		
Remarks or Recommendations:					
<u> </u>			-Jul		
Date of Notice: 01/21/2016 Sig	gnature of Autho	orized Rep.:	117		.
				- 40	
	Print Na	me and ID: Frank Ba	rtlett ID# 5	54Y 	
				ر —	
					Page 1 of 1 Revised October 1, 1998

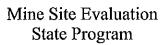




Citizen Complaint

Citiz	en Compl	aint Number CC16-010-001	Date Complaint Received 12/	16/2015
Com	plainant	PRBRC AND WORC	Did citize	n request confidentiality?
PRB	re of Com	WORC ALLEGE THAT ARCH COA	AL AND ITS SUBSIDIARIES ARE CONDUC IENT RECLAMATION BONDING AS REQU	TING SURFACE COAL MINING
	Perfo	ormance Standard Category (Check all that apply)	Acknowledgement Letter	01/21/2016
×	A. Admi	inIstrative	FO Decision Letter to Citizen	
		rologic Balance soil & Subsoil	Citizen Informal Review Request	
	D. Back	kfilling & Grading	Informal Review Date	
		ess Spoil Disposal Mine Waste	Result of Informal Review	
	G. Use	of Explosive	Citizen Notified of Review Results	
	H. Subs	sidence Control Plan		
	I. Roads	s	Comments	
	-	s & Markers		
		ince Prohibitions		·
		galion mining Land Use		







1. Permittee/Person		9. Permit Number		Permit Type
THUNDER BASIN COAL COMPANY I	LC	233-T8],	PP .
2. Address		11. Field Visit Da	te 12. Purpose	13. SRA Present
1 CITY PLACE DRIVED SUITE 300		1/20/2016	CCR	N
		mm - dd - yyyy	-	
3. City	4. State	14. Permit Status	15. Site Status	16. Facility Type
ST. LOUIS	MO	A A	AP	ADFG
	Phone Number	17. OSM Office #		19. Land Code
	4) 994-2949	010	CC16-010-001	SF
7. Operator Name, if Different than P		20. M.S.H.A. ID#		22. County/Burrough
THUNDER BASIN COAL COMPANY I			WY	CAMPBELL
8. Mine Name		23. AVS Permitte	e Entity ID Number	24. State Office
BLACK THUNDER		144426],	
25 Hawa	26 Signature Black		27 Doubowing	Officials
25. Hours	26. Signature Block		27. Reviewing	Official:
1.0 a. Permit Review		<u> </u>	Contraction	
0.0 b. Site Visit Time	Signature:		✓ Sign	ature:
0.0 c. Travel Time	Frank Bartlett,		Review Date:	1-21-2014
4.0 d. Report Writing	Printed Name:			mm · dd · yyyy
1	Date: 1/21/2016		Is Supplemental MSE	Page Used Y/N Y
Permit Type - Item 10 IP = Interim Program	PP = Permanent Program NP = No F	Permit	·	
Purpose Type Codes - Item 12 OxxOversight	RFxReclamation Fees		CRCitizen Complaint Refe CCitizen Complaint (initi	
AxxAssistance	FxxFederal Actions	C	CFAssistance	•
Joint Inspection - Item 13 A joint inspection is v Permit Status - Item 14	-			have ceased and operator
A Active: Coal mining activities occurring or pe	ermitted but not yet has left t	he site without completing	reclamation as defined in 30) CFR 840:11(g).
disturbed. IN Inactive (Permanent Program Permit): Phas	e II completed or progress	or not yet commenced.	icially in process or complet	_
Temporary Cessation of Operations. (Interin Coal mining completed and reclamation activ	n Program Permit): AB2 Partially rities initiated. but site r	Reclaimed Forfellure: Fort not reclaimed to Program si	eited site where all bonds h landards.	ave been used to reclaim site,
BR Bond Release: Reclamation completed and Authority(RA) has released all of the bond (P	State Regulatory AB3 Reclaims		that has been reclaimed to	Program standards.
Site Status - Item 15				Forte and a state of the state and
ND No Disturbance: No coal mining and reclama		d release.		RA is pursuing actions to
operations have been started. EX Coal Exploration: Coal exploration operation	TC Temporary Cessation: The cessation of mining pursua	e RA has granted F nt to 30 CFR	P revoke the permit, collect and/or reclamation of for	It the performance bond(s), feited site is in progress.
started and where coal mining operations have begun.	ve not 816/817:13(b). P1 Phase I Release: At least	F	 R Forfeited and Reclaimed completed. 	
AP Active Coal Producing: Coal surface mining	granted for entire permitted	l area. For interim 🔋 🗜		loned site that is permitted but
activities are occurring. AN Active Non-Producing: Active non-producing	permits, partial bond releas facility P2 Phase II Release: At least		there is πο bond. VC Wildcat: Coal mining an	d reclamation operations have
such as tipple or preparation plant. NM No Mining: The Permit Status is active, site i	for the entire permitted are: s not in P3 Phase III Release: Reclam		or are taking place and t the required permits from	he activity is not covered by
Temporary Cessation, no surface coal mining activity, and site not regraded.			ine required permits not	
E 30 E 40				
		xploration Permits otice of Intent to Explore	KGovernment Financed LRemining site permitted	
		xempt 16 and 2/3		
VQuotiplies	Small Business Regulatory Enforce	ment Fairness Act (SBRF	(FA)	-
The Small Business and Agriculture Regulatory Enforcem	Your Comments a	re Important	-	ses about Federal agency
enforcement actions. The Ombudsman will annually eval fewer employees including those of affitiales) and wish to	uate the enforcement activities and rate each a	gency's responsiveness to sma	ll business. If you are a small bu	rsiness (a business with 500 or
10 Stribe Jaco massaring proce of primarios) true Mistrie	pitalion to		,	Page 4

Mina Sita Evaluation

	e Program
Continu	ation Page
28. Performance Standard Categories Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited, 7=Permit Defect	
A. Administrative D. Backfilling & Grading H. Subsidence Control	ol Plan
1 Mining within Valid Permit 1 Exposed Openings I. Roads	
2 Mining within Bonded Area 2 Contemporaneous Reclamation 1 Road Construction	1
3 Terms & Conditions of Permit 3 Approximate Original Contour 2 Certification	
4 Liability Insurance 4 Highwall Elimination 3 Drainage	
5 Ownership and Control 5 Steep Slopes (includes downslope) 4 Surfacing and Mai	intenance
6. Temporary Cessation 6. Handling of Acid and Toxic Materials 5. Reclamation	
7 AML Rec. Fees - Non-Respondent 7 Stabilization (rills and gullies) J. Signs & Markers	
8 AML Rec. Fees - Failure to Pay E. Excess Spoil Disposal 1 Signs	
B. Hydrologic Balance 1 Placement 2 Markers	
1. Drainage Control 2. Drainage Control 3. Lypnostices & Continuous Control 4. Distance Prohibiti	ions
2 inspections & Certifications 3 Surface Stabilization	
3. Siltation Structures 4. Inspections & Certifications L. Revegetation 4. Discharge Structures	
5 Diversions F. Coal Mine Waste	
(Refuse Piles/Impoundments) 2 Timing	
Ground Worter Monitoring I Drainage Control M. Postmining Land	Use
8. Surface Water Monitoring	
9, Drainage - Actu-Toxic Waterials A Inspections & Cortifications	
10. Impounding Structures Performance	
11. Stream Butter Zones Calegory	00.23 (B)(2)
C. Topsoil & Subsoil Restriction A 2 THROU	JGH (B)(4)
Distance Problems	
2 Diest Curron/Calestul	
3. Storage and Protection 4. Redistribution 5. Blast Survey/Scriedule Warnings & Records	
5 Control of Adverse Effects	
Performance Standard Categories E. Excess Spoil Disposal(816/2	817.71-74)
30 CFR Counterparts 1. Placement	71(e)
A. Administrative	71(2)
2. Mining within Bonded Area 773.11 4. Impections & Certifications - 816.73.17 F. Coal Mine Waste (Refuse Piles Impoundments) - 816.73.17	71(h)
4 Habitet Ingrande 200 60 1 Drainage Control	
5. Ownership and Control	
7. AMI Rec Fees - Non-Respondent	
8. AML Rec. Fees - Failure to Pay	
1. Drainage Control	61(c)
2. Inspections & Certifications 49(ax10) 2. Distance Prohibitions 3. Blast Survey/Schedule 4. Discharge Structures 47 4. Warnings & Records	01(d) 62-64
Distance Promotives	66&68
V. Elitability formation of the state of the	7.121-122)
7. Ground Water Monitoring 41(c) I. Roads (816/81)	7.150-151)
9 Drainage—Acid - Toxic Materials 41(f) 1 Koad Construction 41(f) 2 Cartifician 41(f) 41(f	141/4
11 Stream Buffer Zones 37 3. Drainage	50(6)-151(6)
5. Reclamation	130(f)
A A DE LA STATE DE	16/817.11)
2. Substitute Materials),(d),(e),&(f)
D.Backfilling & Grading	(761.11)
1. Exposed Openings 816/817.13,14,15, & \$23.11 & 21 L. Revegetation (816/81 2. Contemporaneous Reclamation 100 1. Vegetative Cover	
3. Approximate Original Contour————————————————————————————————————	113
3. Steep Slopes (includes downslope)	0/01/.133)
6. Handling of Acid & Toxic Materials	

DSM Action
6) ID-CO Issued (imminent Danger to Public)
2) TON Issued
7) Previously cited by RA, abatement pending
3) NOV Issued
8) Abated during or before OSM inspection
4) FTA-CO Issued
9) Follow-up of Federal Action
5) IH-CO Issued
0) Off-site impact with no violation

Off-Site Impacts
For each type of impact and resource affected, enter
'N, D, or J' to describe the degree of off-site Impact
N - Minor Occurrence
D - Moderate Occurrence
J - Major Occurrence

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U.S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING Mine Site Evaluation

Permittee/ Person THUNDER BASIN COAL COMPANY LLC Permit Number 233-T8 Fie	ld Visit Date 1/20/2016 State Program Continuation Page
A. Specific State Law/Regulations Violated; WY DEQ Coal Rules, Chapter 11, Section 4(a)(ii) referencing	L. Off-Site Impacts
Chapter 14, Section 2(a)(vii)(A-D). B. Description: Self-bond guarantor no longer meets requirements to self-bond in the State of Wyoming.	People Land Water Structures Blasting
C. Performance Standard: AN D. Abated (Y/N): N E. OSM Action: 2 F. OSM Action Number: X16-010-549-001 Viol#: 01 G. Optional: H. Any Off-Site Impacts (Y/N): N I. Latitude: 0434140 J. Longitude: 1051821 K. Elevation:	Stability
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): 1. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	People Land Water Structures Blasting
A. Specific State Law/Regulations Violated:	L. Off-Site Impacts People Land Water Structures
B. Description: C. Performance Standard: D. Abated (Y/N): E. OSM Action: F. OSM Action Number: Viol#: G. Optional: H. Any Off-Site Impacts (Y/N): I. Latitude: J. Longitude: K. Elevation:	Blasting Stability Stabili

1) Deferred to State Action
2) TDN Issued 7) Previously cited by RA, abatement pending 3) NOV Issued 8) Abated during or before OSM Inspection 4) FTA-CO Issued 9) Fotow-up of Federal Action 5) IH-CO Issued 0) Off-site impact with no violation

Off-Site Impacts

For each type of Impact and resource effected, enter

"N, D, or J" to describe the degree of off-site Impact

N - Minor Occurrence

D - Moderate Occurrence

J - Major Occurrence

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Revised October 1, 2010

UNITED STATES DEPARTMENT OF THE INTERIOR	Originating Office:	Casper Field Office			
Office of Surface Mining		US DOI, Office of Surface Mining			
Reclamation and Enforcement		100 East "B" Street			
TEN-DAY NOTICE		Federal Building - Room 2128			
		Casper, WY 82601-1918	=		
Number X16-010-549-001 TV 1	Telephone Number:	(307) 261-6541			
Ten-Day Notice to the State of Wyoming					
You are notified that, as a result of Citizen Information (e.g. a federal inspection, citizen information, etc.) the Secretary has reason to believe that the person described below is in violation of the Act or a permit condition required by the Act. If the State Regulatory Authority fails within ten days after receipt of this notice to take appropriate action to cause the violation(s) described herein to be corrected, or to show cause for such failure and transmit notice of your actino to the Secretary through the originating office designated above, then a Federal inspection of the surface coal mining operation at which the alleged violation(s) is occurring will be conducted and appropriate enforcement action as required by Section 521(a)(1) of the Act will be taken.					
Permittee: THUNDER BASIN COAL COMPANY LLC	C (County: CAMPBELL	Surface		
(Or Operator if No Permit)			Underground		
Mailing Address: 1 CITY PLACE DRIVED SUITE 300	<u>, , ST. LOUIS, MO 6</u>	3141	✓ Other		
Permit Number: 233-T8 Mine Name: BL	ACK THUNDER		N Other		
01 NATURE OF VIOLATION AND LOCATION:					
Self-bond guarantor no longer meets requirements to self-	bond in the State of V	Vyoming.			
Condition beli	te Law, Regulation or leved to have been viol	Permit WY DEQ Coal Rules, 6 ated: Section 4(a)(ii) reference			
NATURE OF VIOLATION AND LOCATION:					
Section of Stat	te Law, Regulation or l	Permit			
	eved to have been viol	ated:			
NATURE OF VIOLATION AND LOCATION:					
Section of State Law, Regulation or Permit Condition believed to have been violated;					
Remarks or Recommendations:					
Date of Notice: 01/21/2016 Signature of Autho	rized Rep.:	7/11			
Bille of Notice. VIII 1 2010 Signature of Nation		72			
Print Name and ID: Frank Bartlett ID# 549					
Time Hamo and ID.					
			Page 1 of 1 Revised October 1, 1998		





Citizen Complaint

Citize	en Complaint Number CC16-010-001	Date Complaint Received 12/1	16/2015			
Comp	PRBRC AND WORC	Did citizen	request confidentiality?			
Nature of Complaint						
PRBRC AND WORC ALLEGE THAT ARCH COAL AND ITS SUBSIDIARIES ARE CONDUCTING SURFACE COAL MINING OPERATIONS IN WYOMING WITHOUT SUFFICIENT RECLAMATION BONDING AS REQUIRED BY SMCRA AND WEQA.						
	Performance Standard Category (Check all that apply)	Acknowledgement Letter	01/21/2016			
×	A. Administrative	FO Decision Letter to Citizen				
	B. Hydrologic Balance C. Topsoil & Subsoil	Citizen Informal Review Request				
	D. Backfilling & Grading	Informal Review Date				
	Excess Spoil Disposal Coal Mine Waste	Result of Informal Review				
	G. Use of Explosive	Citizen Notified of Review Results				
	H. Subsidence Control Plan					
	I. Roads	Comments				
	J. Signs & Markers					
	K. Distance Prohibitions					
Ц	L. Revegation					
	M. Postmining Land Use					