

February 23, 2012

Chris Morris Bluebird Sand, LLC P.O. Box 676 Melbourne, AR 72556

RE: NPDES Industrial Storm Water Permit

AFIN: 33-00264 NPDES Permit No.: ARR153148

Dear Mr. Morris:

On February 8, 2012, I performed an Industrial Storm Water Permit inspection of the Bluebird Sand processing plant in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder.

I am not citing permit violations from this inspection. I noted considerable improvement since my site visit of December 20, 2011. Although no permit violations are being noted, I encourage you to continue to address major issues at the plant site. As you are certainly aware, due to the erodible nature of the sand being mined and processed coupled with the steep slopes on the site, the operation has the potential to cause significant damage to water resources.

I encourage you to be more proactive in addressing erosion and sediment transport issues. It was my observation during my previous visit that the site was not prepared for what is typically the inclement weather season in Arkansas. However, since my December 20, 2011 site inspection, considerable construction work has been done on perimeter drainage and maintenance of preexisting sediment control structures. This work was done under less than ideal weather and moisture conditions for this type of construction.

Of particular concern are the following:

The "Waste Sand Pile" located on the eastern portion of the plant site. This sediment source continues to grow larger and impacts the perimeter "ditch/berm". Maintenance of the "ditch/berm appears to require an inordinate amount of equipment time and labor due to the massive amounts of sediment being delivered from the "Waste Sand Pile" source;

Until the outside slope of the perimeter berm is stabilized with rip rap or vegetation it will be a potential source of sediment to the adjacent East Fork of Lafferty Creek. This concern also pertains to the recently repaired and reconstructed berm protecting the west tributary from runoff from the

Chris Morris, Vice President February 23, 2012 Page 2

haul road and western portion of the plant site. Both berms are constructed of highly erodible material and should be protected or hardened with some type of suitable erosion control protection;

The "Vegetated Buffer" located topographically below the perimeter "ditch/berm" and above the hay bales at outfall 001, was observed to be nearing capacity. Due to very difficult equipment access associated with wet soil conditions, the accumulated sediment in this structure will be difficult to remove;

The spring planting season is here and I encourage you to vegetate as much of the property as possible for erosion protection. The local Natural Resource Conservation Service (NRCS) office will be able to advise you on appropriate vegetative cover crops which will grow in the types of soil found on this site. Soil on the side slopes of pond levees, berms, terraces, ditches, etc. should be vegetated. The amount of soil exposed to erosion must be reduced in order to limit the sediment load being delivered to the various control structures.

I have observed improvements at the site however I intend to inspect the site again in the near future following a significant storm event.

I appreciate the assistance provided to me by Mr. Dusty Cooper during this site visit. Mr. Cooper seems to be competent and capable of addressing erosion issues associated with the plant site given management support. If you have any questions or would like to discuss this inspection in greater detail, please contact me at 870-446-2770 or by e-mail at morris@adeq.state.ar.us.

Sincerely,

Tony L. Morris

District 2 Field Inspector

Vory L morris

**ADEQ Water Division** 

cc: Water Division Enforcement Branch Water Division Permits Branch

9	EPA								Form Approved OMB No. 2040-0003		
		UNIT	TED STATES ENVIRONM Washingto	MENTAL PROTECTION On, D.C. 20460	N AGEN	ICY					
	NPDE										
	Section A: National Data System Coding										
1	Transaction Code  N 2 5 3 A R 1	pec. Type Inspector Fac. Type  R 19 S 20 2									
	3 3 - 0 0 2										
	Inspection Work Days 67 69		Facility Evaluation R	Rating 71	BI N	72	QA	L	Reserved		
				Section 1	B: Fac	ility	Data		I		
incl	ne and Location of Facility Inspected	num	ber)				Entry Time/Date 11:30 December 20, 2011		Permit Effective Date July 28, 2011		
	ebird Sand, LLC is located at 14 B unt Pleasant off of Hwy 69 in Izard		• •	itely 1.5 miles no	orun oi		15:30 December 20, 2011		Permit Expiration Date		
	ne(s) of On-Site Representative(s)/Tety Cooper, Compliance Officer		/Phone and Fax Nun -291-2207	nber(s)				La	her Facility Data t. 35.9719 ng91.7792		
Nan	ne, Address of Responsible Official/	Title/	Phone and Fax Numl	ber							
Chi	is Morris, Marketing Supervisor	870	0-346-5432				Contacted	,	utfall 001)		
	ebird Sand, LLC . Box 676						Yes No No	PD	S #064073		
	bourne, AR 72556										
				ction C: Areas Evry, M = Marginal,			uring Inspection sfactory, N = Not Evaluated)				
S	Permit	N	Flow Measureme	ent	M	Ope	erations & Maintenance	N	N Sampling		
S	Records/Reports	N	Self-Monitoring l	Program	N	Slu	dge Handling/Disposal	N	Pollution Prevention		
M	Facility Site Review	N	Compliance Sche	dules	N	Pre	etreatment	N	Multimedia		
S	Effluent/Receiving Waters	N	Laboratory		M		rm Water	N	Other: Discharge Limits		
		Se	ection D: Summary	of Findings/Com	ments	(Att	ach additional sheets if necessar	<b>y</b> )			
	1. The 11 acre mill site was v	isited	during this inspect	tion.							
	<ol> <li>Most of the sediment contr</li> <li>The Interceptor Trench/ B</li> </ol>						ed of maintenance. around the south perimeter of th	e mill	site.		
	4. The perimeter silt fence wa			•	CALCI	ucu i	around the south permieter of the		. Siece		
Name(s) and Signature(s) of Inspector(s)  Agency/Office/Telephone/Fax  AR Dept. of Environmental Quality-Jasper Field Office									Date		
Ton	y L. Morris Vory L Morr	ь		870-446-2770/8					January 6, 2012		
Sig	nature of Reviewer			Agency/Office/Phone and Fax Numbers				Date			

ADEQ Water NPDES Inspection	AFIN: <b>33-00264</b>	Permit #: ARR153148

**Inspection Form Legend:** S = Satisfactory, M = Marginal, U = Unsatisfactory, Y = Yes, N = No, NI = Not Implemented, NA = Not Applicable, NE = Not Evaluated - If Y and a NI are checked it means it is in the SWPPP but not implemented in the field which is a violation. SECTION A: PERMIT VERIFICATION PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS MS DM DU DNA DNE 1.CORRECT NAME AND MAILING ADDRESS OF PERMITTEE: MY ON ONA ONE 2.NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES: □Y □N ☑NA □NE 3.NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT: ☑Y □N □NA □NE 4.ALL DISCHARGES ARE PERMITTED: ☑Y □N □NA □NE Comments: SECTION B: STORM WATER POLLUTION PREVENTION PLAN EVALUATION PERMITTEE SWPPP MEETS PERMIT REQUIRMENTS MS DM DU DNA DNE 1. Is the SWPPP available for review by ADEQ? (Part 4.2) MY ON ONI ONA ONE 2. Does the SWPPP contain facility name, general permit tracking number, facility physical address, and SIC and MY ON ONI ONA ONE NAICS codes? (Part 4.6.1) 3. Pollution Prevention Team A. Does the SWPPP identify specific individuals or positions?(Part 4.6.2) MY ON ONI ONA ONE B. Does the SWPPP outline the responsibilities of each member of the Pollution Prevention Team? (Part 4.6.2) MY ON ON ONA ONE 4. Does the SWPPP contain a facility description (process diagram, general layout, storage of raw materials, the MY ON ONI ONA ONE flow of goods and materials through the facility and seasonal variations)? (Part 4.6.3) 5. Does the facility site map contain the following items? A) The size of the property in acres? (Part 4.6.4.a) MY ON ON ONA ONE B) The location and extent of significant structures and impervious surfaces? (Part 4.6.4.b) MY ON ONI ONA ONE C) The direction of stormwater flow using arrows? (Part 4.6.4.c) MY ON ONI ONA ONE ☑Y □N □NI □NA □NE D) The locations of all existing structural control measures? (Part 4.6.4.d) E) The locations of all receiving wasters in the immediate vicinity of the facility? (Part 4.6.4.e) MY ON ON ONA ONE F) The locations of all stormwater conveyances including ditches, pipes, and swales? (Part 4.6.4.f) MY ON ON ONA ONE G) The locations of potential pollutant sources? (Part 4.6.4.g) MY ON ON ONA ONE H) The locations of all stormwater monitoring points? (Part 4.6.4.h) MY ON ONI ONA ONE I) The locations of stormwater inlets and outfalls with unique identification code for each outfall with indications if one or more outfall is being treated as "substantially identical" and an approximate outline of MY ON ON ONA ONE the areas draining to each outfall? (Part 4.6.4.i) J) Where the stormwater discharges to municipal separate storm sewer system (MS4), if applicable? (Part □Y □N □NI ☑NA □NE 4.6.4.j) K) The locations and descriptions of all non-stormwater discharges identified in the SWPPP? (Part 4.6.4.k) MY ON ONI ONA ONE L) The locations of the following activities if they are exposed to precipitation? (Part 4.6.4.1) MY ON ON ONA ONE **Fueling Stations** MY ON ONI ONA ONE Vehicle and equipment maintenance and/or cleaning areas ☑Y □N □NI □NA □NE Loading and unloading areas MY ON ON ONA ONE Locations used for the treatment, storage, or disposal of waste MY ON ONI ONA ONE Liquid storage tanks MY ON ON ONA ONE Processing and storage areas MY ON ONI ONA ONE Immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured MY ON ON ONA ONE products, waste material, or by-byproducts used or created by the facility Transfer areas for substances in bulk MY ON ON ONA ONE Machinery ☑Y □N □NI □NA □NE M) The locations and sources of run-on to the site from adjacent property that contains significant quantities MY ON ONI ONA ONE of pollutants? (Part 4.6.4.m)

	ADEQ Water NPDES Inspection	AFIN: <b>33-00264</b>	Permit #: ARR15314	8
	scription of potential pollutant sources			
an	An inventory of industrial activities which hounts of pollutants? (Part 4.6.5.1)			☑Y □N □NI □NA □NE
precipi	An inventory of all types of materials handlation? (Part 4.6.5.2)			☑Y □N □NI □NA □NE
are	A list of significant spills and significant lease exposed to precipitation or drained to a the permit. (Part 4.6.5.3)			☑Y □N □NI □NA □NE
D)	A summary of existing discharge sampling	data (Part 4.6.5.4)		☑Y □N □NI □NA □NE
E)	Risk Identification and Summary of Potentia	I Pollutant Sources (Part 4.6.5.5)		☑Y □N □NI □NA □NE
7. Meas	ures and Controls –SWPPP must describe h	now these are used.		
A)	Best Management Practices (BMPs) (Part	4.6.6.1)		☑Y □N □NI □NA □NE
В)	Exposure Minimization (Part 4.6.6.2)			☑Y □N □NI □NA □NE
C)	Good Housekeeping (Part 4.6.6.3)			☑Y □N □NI □NA □NE
D)	Preventative Maintenance (Part 4.6.6.4)			☑Y □N □NI □NA □NE
E)	Spill Prevention and Response Procedure	s (Part 4.6.6.5)		☑Y □N □NI □NA □NE
F)	Employee Training Procedures (Part 4.6.6	.6)		☑Y □N □NI □NA □NE
G)				☑Y □N □NI □NA □NE
H)	Management of Run-on and Runoff (Part 4	l.6.6.8)		MY ON ONI ONA ONE
) I)	Additional Requirements for Salt Storage			□Y □N □NI ☑NA □NE
	orized Non-stormwater Discharges (Part 4.6.	`		□Y □N □NI ☑NA □NE
	uations and Inspections (Part 4.6.10)	,		
A)		(Part 4.6.10.1)		☑Y □N □NI □NA □NE
	At least one visual inspection conducted of			☑Y ☐N ☐NI ☐NA ☐NE
and	Inspections recorded and include: date of corrective actions required.	inspection, person doing inspect	ion; major observations,	☑Y □N □NI □NA □NE
В)	<u> </u>	on (Annual) (Part 4.6.10.2)		ØY □N □NI □NA □NE
Comm	ents::			
SECT	ON C: MONITORING			
PERM	TTEE MONITORING MEETS PERMI	T REQUIRMENTS		ØS □M □U □NA □NE
	facility one of the four Effluent Guideline Facoal pile, or Paving and Roofing Materials)(		IFG, Fertilizer MFG, Steam	□Y ☑N □NI □NA □NE
A)	Are all outfalls from the regulated process	being sampled? (Part 3.1.3)		☑Y □N □NI □NA □NE
В)	If coal pile run off is monitored, are all other	er stormwater flows excluded? (F	art 3.1.1)	□Y □N □NI ☑NA □NE
2 Which	of the monitoring categories is this facility	subject to: (Part 3.3)		
A)	Are samples being collected for each semi	-annual monitoring period (Part	3.5)	☑Y □N □NI □NA □NE
В)	Are samples being collected from the loca	tion specified in the NOI and SWI	PPP (Part 3.6)	☑Y □N □NI □NA □NE
C)	Has the permittee determined that some of	the outfalls are similar? (Part 3.7	7.1)	□Y ØN □NI □NA □NE
	Are the conditions on the ground still the s	same as documented for the simi	lar outfalls (Part 3.7.1)	□Y □N □NI ØNA □NE
D)	Are all parameters for the monitoring cate	gory being sampled and analyzed	I? (Part 3.7.2)	☑Y □N □NI □NA □NE
E)	Were the samples collected during a meas	ureable storm event? (Part 3.7.2.	b)	☑Y □N □NI □NA □NE
F)		•	<u>,                                      </u>	☑Y □N □NI □NA □NE
	Are the sample locations suitable for the c		ple? (Part 3.3)	✓Y □N □NI □NA □NE
	any of the monitoring revealed an exceedance	•		□Y □N □NI □NA ☑NE
A)	Has a process to develop a corrective action			OY ON ONI ONA MINE
	If four monitoring periods have passed with	hout an exceedance of a benchm	nark value, has the permittee	
Comm	ed a reduction in monitoring? (Part 3.11.1)			
	onto.			

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SECTION D: RECORD KEEPING AND REPORTING	
PERMITTEE RECORD KEEPING AND REPORTING MEETS PERMIT REQUIRMENTS	□S □M □U □NA ☑NE
1. Have DMRs for the previous year of monitoring been submitted to ADEQ and is a copy in the file? (Part 3.12.3.a)	□Y □N □NI □NA ☑NE
Are the DMRs properly completed?	□Y □N □NI □NA ☑NE
Does the permittee have copies of lab reports and chain of custody records?	□Y □N □NI □NA ☑NE
Are the appropriate records of the measureable storm event and sampling being kept? (Part 3.7.2.e)	□y □n □ni □na ☑ne
2. Has a copy of the annual comprehensive evaluation been submitted to the agency and is a copy on file? (Part 3.12.3.b)	□Y □N □NI □NA ☑NE
3. Is permittee keeping copies of inspections and corrective actions on file? (Part 4.6.10.1)	□Y □N □NI □NA ☑NE
4. Are copies of training records being kept on file? (Part 4.6.6.6)	□Y □N □NI □NA ☑NE
5. Is there a list of significant spills and leaks being maintained? (Part 4.6.5.3)	□Y □N □NI □NA ☑NE
Comments:	
SECTION E: FACILITY TOUR	
PERMITTEE FACILITY TOUR MEETS PERMIT REQUIRMENTS	ØS □M □U □NA □NE
Any evidence of spills or leaks that have not been properly cleaned up as required by the SWPPP?	□Y ØN □NI □NA □NE
2. Any evidence of erosion or un-stabilized ground?	☑Y □N □NI □NA □NE
3. Any controls, structures, or storage areas that are not as identified in the SWPPP?	□Y ☑N □NI □NA □NE
4. Any non-stormwater discharges <u>not</u> identified in the SWPPP? (see Part 1.7 of permit for list of allowable non-stormwater discharges)	□Y ØN □NI □NA □NE
5. Any non-stormwater discharges that are not allowed under this permit? (see Part 1.7 of permit for list of allowable non-stormwater discharges)	□Y ØN □NI □NA □NE
6. Are BMPs being properly operated and maintained? (Part 6.1)	☑Y □N □NI □NA □NE
7. Are housekeeping procedures being implemented and are they sufficient?	☑Y □N □NI □NA □NE
Comments: Compliance with the Industrial Storm Water Permit is marginal. Considerable wor site since the 12/20/11 inspection.	k has been done on the

	Water Division NPDES Photographic Evidence Sheet										
Location: Bluebird Sand, LLC Izard County											
Photograph	er:	Tony Morris			Witness:	Dusty Coope	Dusty Cooper				
Photo #	1	Of	8	<b>Date:</b> 02/08/12 <b>Time:</b> 12:34							
Description	:	Surfac	Surface water diversion berm recently reconstructed to protect west trib. to East Lafferty Creek.								



 Photographer:
 Tony Morris
 Witness:
 Dusty Cooper

 Photo #
 2
 Of
 8
 Date:
 02/08/12
 Time:
 12:40

**Description:** Recently reconstructed berm diverting haul road runoff away from west trib. toward outfall 001.



	Water Division NPDES Photographic Evidence Sheet										
Location: Bluebird Sand, LLC Izard County											
Photograph	er:	Tony Morris				Dusty Cooper					
Photo #	3	Of	8	<b>Date:</b> 02/08/12 <b>Time:</b> 12:45							
Description	: F	Plant site perimeter berm with a service road on top being constructed, outfall 001 in distance.									



Photograph	ner:	Tony N	<b>I</b> orris	Witness:	Dusty Coope	Dusty Cooper		
Photo #	4	Of	8	Date:	02/08/12	Time:	12:47	

**Description:** Massive amounts of sediment accumulating in perimeter ditch with eroding out slope pond levy.



	Water Division NPDES Photographic Evidence Sheet									
<b>Location:</b>	Location: Bluebird Sand, LLC Izard County									
Photograph	er:	r: Tony Morris			Witness:	Dusty Cooper				
Photo #	4	5	Of	8		Date:	02/08/12	Time:	12:49	
Description	<b>Description:</b> Sediment accumulation immediately above outfall 001 with East Lafferty Creek in tree line.								in tree line.	



 Photographer:
 Tony Morris
 Witness:
 Dusty Cooper

 Photo #
 6
 Of
 8
 Date:
 02/08/12
 Time:
 13:00

**Description:** 

Sediment accumulation within West Tributary to East Lafferty Creek addressed during previous site visit.



	Water Division NPDES Photographic Evidence Sheet										
Location: Bluebird Sand, LLC Izard County											
Photograph	er:	Tony Morris				Dusty Coope	Dusty Cooper				
Photo #	7	Of	8		<b>Date:</b> 02/08/12 <b>Time:</b> 13:16						
Description	: '	The perimeter berm/ditch on the south side of the plant site below waste sand pile.									



Photographer:		Tony N	Morris		Witness:	Dusty Cooper			
Photo # 8		Of	8		Date:	02/08/12	Time:	13:25	

**Description:** The Interceptor Berm/Trench below the waste sand pile on the south east corner of plant site.

