## **TABLE 2.5-5**

## GROUNDWATER MONITORING SCHEDULE SOUTH HEART LIGNITE MINE

			20	2006 2007									7						2008								2009							
Location	Туре	Screened Unit or	4th		1	st Ot	r	2	2nd Q		_	3rd (	Otr	<b>—</b>	4tł	n Otr	1	st Oti	r	2	nd Q			Brd Qt	tr	4th Otr	1st	Otr		2nd Qtr		rd Otr	<b>—</b>	4th Qtr
	-512	Stream	Nov	~		Feb			May	Jun	-	Au	g Se	D Oc	et N	<u> </u>	_	Feb			May	Jun	Jul	~		oct Nov Dec			· Apr	May Jur	ı Jul	Aug Ser	_	Nov Dec
SHMW-01A	Monitoring Well	alluvium		WE	ELL DI					X	Х	X	X			X		X			X		Х	X		X	X		X	X		X		X
SHMW-01S	Monitoring Well	D Coal		WE	ELL DI	D NO	DT EX	IST		X	X	X	X	X		X		X			X			X		X	X		Х	Х		Χ		Х
SHMW-02C	Monitoring Well	D Coal	X	X	Х	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X			Х		X		Х
SHMW-03C	Monitoring Well	D Coal	X	X	Х	X	Х	Х	X	Х	X	X	X	X		X		X			X		Х	X		X	X			X		X		Х
SHMW-03D	Monitoring Well	underburden	X	X	Х	X	Х	Х	X	Х	Х	X	X	X		X		X			X		Х	X		X	X			Х		X		X
SHMW-03HTB	Monitoring Well	HT Butte	- ·															, v	VELL	DID N	NOT E	XIST			<b></b>	- <b>I</b> - <b>I</b>	<u> </u>			I I I			-	Х
SHMW-03S	Monitoring Well	overburden	X	X	Х	X	Х	Х	X	X	X	X	X	X		X		X			X		Х	X		X	X			Х		X		Х
SHMW-04C	Monitoring Well	D Coal	X	X	Х	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X			X		X		Х
SHMW-04D	Monitoring Well	underburden	X	X	X	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X			X		X		Х
SHMW-05C	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X			X		X		Х
SHMW-05D	Monitoring Well	underburden	X	X	Х	X	Х	Х	X	X	Х	X	X	X		X		X			X			X		X	X			Х		X		Х
SHMW-05S	Monitoring Well	overburden	X	X	X	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X			Х		X		Х
SHMW-06C	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X	X	X	X		X		X			X		Х	X		X	X			Х		X		Х
SHMW-06D	Monitoring Well	underburden	X	X	Х	X	Х	Х	X	X	Х	X	X	X		X		X			X			X		X	X			Х		X		Х
SHMW-07C	Monitoring Well	D Coal	X	X	Х	X	Х	Х	X	X	Х	X	X	X		X		X			X			X		X	X	_	1	X		X	+	X
SHMW-07D	Monitoring Well	underburden	X	X	X	X	Х	Х	X	X	Х	X	X	_		X		X			X			X		X	X	_	1	X		X	+	X
SHMW-08C	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X	X	X	X		X		X			X			X		X	X	_		X		X	+	X
SHMW-08D	Monitoring Well	underburden	X	X	X	X	Х	Х	X	X	X	X	X	_		X		X			X			X		X	X	_		X		X	+	X
SHMW-08HTB	Monitoring Well	HT Butte	- ·								1								NELL	, DID N	NOT E	XIST					1 1						_	Х
SHMW-08S	Monitoring Well	overburden	X	X	Х	X	Х	Х	X	X	X	X	X	X		X		X			X			Χ		X	X			Х		X	<b>—</b>	Х
SHMW-09A1	Monitoring Well	alluvium	- ·	WE	ELL DI	D NO	T EX			X	X	X	X	X		X		Х			Х		Х	Х		X	X	_	X	X		Х		Х
SHMW-09A2	Monitoring Well	alluvium		WE	ELL DI	D NO	T EX	IST		X	X	X	X	_		X	1 1	X			X		Х	Χ		X	X	_	X	X		X	-	X
SHMW-09S	Monitoring Well	overburden			ELL DI					X	X	X	X	X		X		X			X			X		X	X	_	X	X		X	1	X
SHMW-10C	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X	X	X	X		X	1 1	X			X			X		X	X	_		X		X		Х
SHMW-10D1	Monitoring Well	HT Butte Coal	X	X	X	X	X	X	X	X	X	X	X	X		X		X			X			X		X	X	_		X		X	1	X
SHMW-10D2	Monitoring Well	underburden	X	X	X	X	X	X	X	X	X	X	X	X	_	X		X			X			X		X	X	_		X		X	1	X
SHMW-11A1	Monitoring Well	alluvium	X	X	X	X	Х	Х	X	X	X	X	X			X		X			X		Х	X		X	X	_	X	X		X		X
SHMW-11A2	Monitoring Well	alluvium	X	X	X	X	X	X	X	X	X	X	_			X	1 1	X			X		Х	X		X	X	_	X	X		X	-	X
SHMW-11S	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X		X		_	X	1 1	X			X			X		X	X	_	X	X		X	+	X
SHMW-12C	Monitoring Well	D Coal	X	X	X	X	Х	Х	X	X	X	_	X	_		X	1 1	X			X			X		X	X	_		X		X	+	X
SHMW-12D	Monitoring Well	underburden	X	X	X	X	X	X	X	X	X		X	_		X		X			X			X		X	X	_		X		X	1	X
SHMW-13C	Monitoring Well	D Coal	X	X	X	X	X	X	X	X	X	X	X	_	_	X		X			X			X		X	X	_		X		X	+	X
SHMW-13S	Monitoring Well	overburden	X	X	X	X	X	X	X	X	X	X	X	_	_	X		X			X			X		X	X	_		X		X	+	X
SHMW-14A1	Monitoring Well	alluvium			ELL DI					X		_	_		_	X		X			X		Х	X		X	X	_	X	X		X	+	X
SHMW-14A2	Monitoring Well	alluvium			ELL DI					X			_		_	X	+	X			X		X	X		X	X	_	X	X		X	+	X
SHMW-14S	Monitoring Well	overburden			ELL DI					X			_	_	_	X	+ +	X			X			X		X	X	_	X	X		X	+	X
SHMW-15A1	Monitoring Well	alluvium			ELL DI					X		X	_		_	X	+	X			X		Х	X		X	X	_	X	X		X	+	X
SHMW-15A2	Monitoring Well	underburden			ELL DI					X			_	_		X	+	X			X		X	X		X	X	_	X	X		X	+	X
SHMW-15742 SHMW-15S	Monitoring Well	underburden			ELL DI					X			X			X	+	X			X			X		X	X	_	X	X		X	+	X
SHO-04	Observation Well	HT Butte Coal		X	X	X	X	X	X	X	X		X		_	X	+	X			X	╞──┤		X		X	X	_		X		X	+-	X
SHO-04 SHO-05	Observation Well	D Coal	╞──┤	X	X	X	X	X	X	X	X		_	_	_	X	+ $+$	X		╞──┤	X	╞──┤		X		X		_	+	X	-	X	+	X
SHO-01	Observation Well	underburden	╞──┤	X	X	X	X	X	X	X	X	X	_	_	_	X	+ $+$	X		╞──┤	X	╞──┤		X		X		_	+	X	-	X	+	X
SHO-02	Observation Well	D Coal	╞──┤	X	X	X	X	Х	X	X	X	X	_	_		X	+ $+$	X		╞──┤	X	╞──┤		X		X		_	+	X	-	X	+	X
SHO-02 SHO-03	Observation Well	overburden	╞──┤	X	X	X	X	X	X	X	X	_		_		X	+ $+$	X		╞──┤	X	╞╴┤		X		X		_	+	X		X	+	X
SHSG-01	Staff Gage	Heart River			FF GA					Δ	X		_	_	_	X	+ $+$	NM		╞──┤	X	╞╴┤	Х	X		NM	NN		+	NM		X	+	X
SHSG-09	Staff Gage	South Branch Heart River			FF GA						X					X		NM			X		X	X		NM	NN NN			X		X	1	X
SHSG-11	Staff Gage	South Branch Heart River	STAFF GAGE DID NOT EXIST							x	X	X	x		X	+	X			Х		х	X		NM	NN	1		NM		X	1	X	
SHSG-14	Staff Gage	South Tributary		STA	FF GA	GE D	DID NO	OT EX	IST		X	X	X	X		X	+	X			Х		Х	Х		NM	NN	1	-	X		X	+	X
SHSG-15	Staff Gage	Heart River			FF GA						X		_	_		X	+	NM			X		X	X		NM	NN	_		X		X	+	X
Notes:	Smil Ougo	figure for you	I	~							Δ	Δ			• 1			1 11/1			~		~1	2 <b>1</b>		1,11/1		-	1	11		**	<u> </u>	**

Notes:

X indcates water level measurement attempted

Shading indicates water quality sampling attempted

NM indicates no measurement