* APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Oregon

I, Sterling Mines Inc.						
of Medford	•					
State of Oregon , do hereby						
following described public waters of the State of Oregon, subject to existing rights:						
						If the applicant is a corporation, give date and place of incorporation
14th day of October, 1933, at office of Sec.						
1. The source of the proposed appropriation is	Sterling Creek, below junction of (Name of stream)					
Armstrong Gulch , a tributary of	f Little Applegate River					
2. The amount of water which the applicant inte	nds to apply to beneficial use isone					
cubic feet per second.						
(If water is to be used from a	nore than one source, give quantity from each)					
3. The use to which the water is to be applied is	(Irrigation, power, mining, manufacturing, domestic supplies, etc.)					
Ap prox.	approx.					
4. The point of diversion is located 700 ft.	north and 580 ft. west from the					
corner of hetween Secs. 8 and 17. Township 39 (Section or subdivision)						
(If preferable, give distance and	bearing to Sec. Cor.)					
(If there are more than one points of diversion, each must	be described. The constant short if					
(If there are more than one points of diversion, each most	be described. Ose separate sheet it necessary)					
being within the SE ₄ SW ₄ (Give smallest legal subdivision)						
R. 2 W , W. M., in the county of Jackson (No. E. or W.)						
5. The pipe line (Main ditch, canal or pipe line)	to be approx. 13000 ft.					
in length, terminating in the \mathbb{E}_2^{\perp} SE ₄ SW ₄	of Sec. 33 , Tp. 38 South					
(Smallest legal subdivision) R. 2 West , W. M., the proposed location being sho	(No. N. or S.)					
6. The name of the ditch, canal or other works is	Sterling Pipe Line					
DESCRIPTION O	F WORKS					
DIVERSION WORKS—						
7. (a) Height of dam $\frac{2\frac{1}{2}}{2}$ feet, length	on top 60 to 70 feet, length at bottom					
same feet; material to be used and character	(Loose rock, concrete, masonry,					
rock and brush, timber crib, etc., wasteway over or around dam)	······································					
(b) Description of headgateWeir crest - W	ater diverted from sump in gravel concrete, etc., number and size of openings)					

CANTAT	SYSTEM	OD D	ד שמז	INE
LANAL	SYSTEM	UK F	TPE I	

feet; width on botton						_
feet fall per on	le	feet; grad	r	oth of wate	feet; dep	thousand feet.
;)	t water line) .	te: width on top (a	om headga	miles fr		(b) At
r feet	oth of water	feet; dep	om	dth on bott	feet; wi	
in.; size at	or 8 i					grade(c) Lei
ence in elevation betwee	. in.; difference	f usesame	at place of	in.; size	?	t. from intake
Estimated capacity	es	grade uniform?	ft. Is	rox. 600	ce of use, APP	ntake and pla
				_	sec. ft.	one
ER IS USED FOR	THE WATER	IATION WHERE	INFORI	LLOWING	IN THE FO	FILL RRIGATION—
acres, located in eac		ea of	a total are	rigated has	land to be irr	
/s:	as follows:	place of use is	The	is follows:	subdivision, a	mallest legal
Acres	Number Acre to be Irrigate	Forty-acre Tract	Section	Range	Township	
	OF USE	SE4 SW4: PLACE	33	s w	38 S	
					•	

					•••••	
					•	

		quired, attach separate sheet)				
				il	aracter of so	(a) Ch
				aised	nd of crops re	(b) Kin
				S	ING PURPOSES	Power or Min
theoretical horsepower	t	eloped	to be dev	it of power	Total amoun	10. (a)
sec. ft.	8·	power	e used for	water to b	Quantity of	<i>(b)</i>
	; , ·	feet	•••••	$be\ utilized$	Total fall to	(c)
leveloped						
		- 				
f Sec	of S	(Legal subdivision)	ed in	to be locate	Such works	(e)
		7.	, W. A	(No. E. or W.)	, R	7p(No. N. or
	•	tream? Yes	d to any s	be returne	Is water to	<i>(f)</i>
	ling Creek,	nt of return Ster	locate po	stream and	If so, name	<i>(g)</i>
k, 13,000 feet above		7.0	~ 3			
2	, R	Tp. 39	Sec	,	diversion	oint o

It is proposed to construct a concrete dam across the bed and into the bank of Sterling Creek, just below the junction of Armstrong Gulch in such a manner as to catch the entire surface and subsurface flow of Sterling Creek at this point, said dam shall not be higher than $2\frac{1}{2}$ feet above the present bed of said creek. It is proposed to dig a well or sump in the gravel above said dam and to pump approximately 1 cubic foot per second of the waters accumulated by reason of said dam thru a pipe line to a point approximately 13,000 feet upstream to an elevation of approximately 600 feet above the said dam, where said water will be used in connection with a concentrating mill operation, none of which water is consumed but all of which water is returned to Sterling Creek at this point.

During the period when water is flowing thru the Sterling Mining Ditch sufficient water will be available for use in the concentrating mill operation directly out of the Sterling Mining Ditch. Therefore, it will not be necessary to carry on the proposed pumping operation until such time as the water is cut out of the Sterling Mining Ditch. It is proposed immediately upon the shutting off of the waters in the Sterling Mining Ditch at the end of each mining season to start the pump and elevate part of the run-off waters from the hydraulic mining operations, thereby storing in the mile and one-half of creek bed gravel above the hydraulic operations, which lie three -quarters of a mile a ove the proposed dam site, a sufficient supply of extra water to assure an additional quantity of water equal to approximately 40 acre feet that will flow for about twenty days beyond the present usual normal summer flow in Sterling Creek at the proposed dam. NOTE: This quantity is arrived at by estimating that the pormal existing condition is such that it takes approximately twenty days after the Sterling Mining Ditch is cut off for the hydraulic mining waste water to flow past the point of diversion at the proposed dam site, therefore, if one culic foot per second of these surplus waters is delivered to the gravel one and one-half miles above the hydraulicking operations, beginning at the time the water is shut off in the mining ditch, that the total quantity pumped will equal approximately 40 acre feet and that this quantity of water will find its way down stream as sub-surface water and will keep the gravel bed saturated as an additional storage for an extra period of time equal to at least twenty days when flowing at a rate of one cubic foot per second.

In addition to the proposed storage created by the pumping of the surplus waste waters upstream it is proposed to, at the end of the mining season, store from twelve to fifteen acre feet of water in the reservoirs at the terminus of the Sterling Mining Ditch and to later release this storage supply into Sterling Creek as the natural stream flow begins to fail.

By conserving the waters in this manner, it is planned to operate the concentrating plant for twelve months each year. It is believed that the beneficial use of the waters will be exercised without injury to others, but on the contrary may act as a benefit to other users of the waters of Sterling Creek. This point has been agreed upon by all concerned at the

present time who have water rights on Sterling Creek and an agreement has been drawn up between the owners of water rights on Sterling Creek and the Sterling Mines, Inc. satisfactory to both parties regarding Sterling Creek waters used during the period when pumping is necessary.

MUNI		SUPPLY—		
	11.	To supply the city of		
	(1		sent population of	
and ar	n esti	mated population ofin	193	
		(Answer questions 12,	18, 14 and 15 in all cases)	
	12.	Estimated cost of proposed works, \$.10	,000.00	
	13.	Construction work will begin on or before	ore June 1st, 1935	
	14.	Construction work will be completed on	or before Sept. 1st, 1935	5
	<i>15</i> .	The water will be completely applied to	the proposed use on or before.	Completion of
•••••		proposed works.		
		, , , , , , , , , , , , , , , , , , ,		
			STERLING MINES, INC. (Name of applied)	
			By Fred J. Plakeley, F	resident
	Sign	ed in the presence of us as witnesses:		······
(1)	P.	J. Neff		
(2)	Dav	id Crysler	(Address of w	itness)
,		(Name)	(Address of w	•
	100,10			
·····				
		of Marion,		
Co				
		s is to certify that I have examined the		
maps	and d	ata, and return the same for		
		Completion and signatu	re	
		order to retain its priority, this application	cation must be returned to the	State Engineer, with
correc	ctions	on or beforeApril 15	, 193 🔻	
	WIT	TNESS my hand this15th day of	March ,	<i>193</i> .5
			CHAS. F. STRICKLIN	and the second s

Application	No.	15750
Permit No		11612

PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

	Division No 1	District Ņ	0	
	This instrument was office of the State Eng	first rec	rived in the Salem, Ore-	
	gon, on the day of	March		`
	193.5, at 1:50 o'clo	ckP.•	M.	,
	Returned to applicant:			
	Corrected application r			
	Approved:	•••••••	·····	
	May 29, 1935			,
	Recorded in book No		-	
	Permits on page116	12	•	
	CHAS. E. STRICKLI		E ENGINEER	
	15 363 L			
STATE OF OREGON, (\$10.00 PER	MIT	•	
County of Marion,	55.			
This is to certify the	at I have examined the for	regoing a	plication and	do hereby grant the same,
subject to the following lin	nitations and conditions:			
	mac gurad s	t the or	aint of div	be applied to beneficial use ersion from the stream, case of rotation with other
water users, from			_	
	is water is to be applied is			ing (concentration mill
If for irrigation, this				of one cubic foot per
second or its equivalent for	each acre irrigated and s	shall be su	bject to such	reasonable rotation system
as may be ordered by the p	proper state officer.		,	
The priority date of	this permit is March	L5 , 1935	•	
				6 and shall
thereafter be prosecuted wi	th reasonable diligence an	d be comp	leted on or b	efore
Oct. 1, 1937				
•		nged nge g	hall he made i	on or before
Oct. 1, 1938		cade doc o	So made	AL OL MOLOIC
	•		Marr	100 5
witness my nand	this 29th day of			•
		UMAD. K	. STRICKLIN	STATE ENGINEER
Permits for power development a fees as provided in section 5803, Oregon	re subject to the limitation of franchia Laws.	se as provided	in section 5728, Or	regon Laws, and the payment of annual