Request for Information Iron Founding (Compacted Graphite Iron)

Company Name:
Contact Person (Surname, name, patronymic, and job position):



Tel./Fax:	E-mail:										
Country:	City:										
1) Tasks to be tackled (please describe):											
 □ to improve cast iron mechan □ to make the structure of iron □ to prevent formation of chil □ to produce compacted gran 	appearance of gas- and shrinka	ing uneven wall thicknesse ion castings (edge hardnes	s								
2) Grade of irons being manufactured (choose one or several grades):											
□ EN-GJV-300 □ EN-GJV-350 □ EN-GJV-400 □ EN-GJV-450											
☐ Alloy cast irons (grades to be indicated)t											
3) Smelting vessel:											
☐ Induction furnace	☐ Electric arc furnace	Cupola furnace	Other (to by indicated):								
Capacity:	Capacity:	Capacity:	Capacity:								
4) Casting/molding method:											
☐ green sand casting		no-bake casting									
☐ die casting		pressure casting									
centrifugal casting		shell mold casting									
☐ investment casting		□ lost foam casting									
continuous casting other technologies (to be indicated)											
5) Molding equipment (describe its components indicating their make and model, clear dimensions of the mold boxes, production rate; if there are several sets of equipment available, information to be provided for each separately):											
make and model:		mold box dimensions:									

6.1) Capacities and types of available ladles:											
									adle with sliding gate valve		
□ t	eapot ladk	е [tilting ladle		stopper	ladle	two-si	topper ladle	C		
-	acities: t		4			+		.	t		
	ylindrical 1	– ladle	ι			_L		L			
	ymiaricari t	acic .									
		_									
6.2)	Capacity	and type of	of ladle to be	used for	inoculation	(to be ind	licated):	t,	type		
-	Vire feede Single strar	r: nd wire fee	der	☐ Twin	strand wire	e feeder		None			
8) (Casting(s)	requiring 1	modification	(process	parameter	s for maki	ng irons):				
- Ba	se iron ch	emical cor	nposition:								
					F1	<u> </u>	0/				
	С	Si	Mn	S	P	Content,	% Al	Cu			
		~1	1,777	~		- 01	1 12				
- ter - ter - we - nu - mi - ma - ca	mperature eight of ca imber of c inimum w aximum w sting/molo	e of base ir e of iron be sting(s) astings in all thickne		oped (to be into moule g; g(s) produc	ds (to be in pcs.; ced	dicated): _			;		
9.2)	Inoculan	t being use	d (manufact	turer's na	me, grade,	size fracti	on):				
9.3)	Duration	of pouring	g of the molt	en iron fo	llowing its	inoculatio	n:				
□ 10 min. and less □ between 10 and 15 min. □ 15 min. and more											
10)	10) Residu	ual Mg cor	ntent in molt	en iron at	the time it	s pouring	into molds	is complete	ed:		
\square 0.02% and less \square between 0.02 and 0.04% \square between 0.04 and 0.07%											
	oth	er (to be in	ndicated)								
11)	QA/QC:										
	aboratory	for testing	molding ma	terials	☐ Metallog	graphy labo	oratory				
	Mechanica	l laborator	y		NDE lat		J				
	Chemical la	aboratorv									

Please send the completed data sheet to 151@nppgroup.ru