Box #
12-1-2-12
2587

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

TIMOTHY BENNETT / 1034A
Requestor / Document Center (is requested to provide the following document)

Date of request 10/12/95 Expected receipt of document 1 MONTH

Document number _____ Date of document _____

Title and author (if document is unnumbered)
Purge Rates SCF/day (from Box # 12-1-2-12) 1948-1949

(This section to be completed by Document Center)

Date request received 10/30/95

Date submitted to ADC 11/2/95

Date submitted to HSA Coordinator 10/30/95

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Date submitted to CICO 11/2/95 1/18/96

Date received from CICO 12/18/95 3/6/96

Date submitted to ChemRisk/Shonka and DOE 3/6/96

2587 #

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received _____

Signature _____

Total Plant Purge
SCF/day

YEAR 1950

MONTH	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5016	4796	4936	6078	7116	6696
2	4165	5145	4722	7715	8637	8472
3	17,215	4808	4865	7477	6377	7283
4	21,440	4782	4795	6936	6381	6463
5	19,536	8477	4735	6391	6677	6407
6	21,810	5076	5015	6135	7771	8477
7	23,000	5418	5062	7948	9084	7747
8	18,510	4422	4815	6657	7877	5769
9	17,270	4666	5514	6984	9040	6710
10	16,250	4459	7490	7312	7547	6095
11	10,600	5114	5370	7286	7336	6709
12	7,445	4936	6462	6072	7121	6217
13	12,624	4969	5057	6600	7570	7454
14	12,338	4787	4895	6172	7153	6892
15	11,163	5301	4977	5912	6978	7389
16	13,650	5308	4980	6102	7507	6910
17	14,210	4632	5021	6393	7054	6510
18	12,620	4511	6270	6225	7512	6417
19	9,936	4774	7210	6435	7308	7092
20	11,382	5000	6422	7482	7117	7179
21	8,243	5041	6251	7455	6698	7236
22	6,179	4941	5342	6173	6756	7367
23	6,178	4921	5231	6215	7211	6921
24	8,170	4892	5227	6547	7004	6924
25	7,160	4963	6151	6143	6947	7096

Carbide and Carbon Chemicals Corporation Operating Contractor for the U.S. Atomic Energy Commission.

Classification changed to: UNCLASSIFIED

Thurman W. Sullivan 12/18/95
ADD or ADD signature (first reviewer) Date

Gary W. Hall 12/18/95
ADD signature (final reviewer) Date

This document has been approved for release to the public by: P.D. Kortman
for A.S. Quist 3/1/96
Technical Information Officer, Oak Ridge K-25 Site Date

Total Plant Purge
SCf / Day

YEAR 1950

MONTH	July	August	September	October	November	December
26	7,484	4,169	[illegible]	[illegible]	6785	7735
27	6,727	5128	6330	6475	7495	7109
28	6,069	5341	709[illegible]	5832	7260	6582
29	5,180	4853	6215	6078	6707	7419
30	6,964	5214	6360	6296	6198	6524
31	5,895	5181	—	6147		6830

31 | 348,405 — 11,239

31 | 156,779 — 5,057

30 | 176,248 — 5875

204,429 / 31 — 6594 SCf

218,993 / 30 — 7299

218,669 / 31 — 7054 Avg sctiu

92 | 681,431 — 7407

92 | 642,081 — 6979 avg sq for 3 mo

	Oct.			Novemiu	Decemiu
10-1	.000004	Mol. 70 Has	11-1	.000001	
2	.000009	"		.000002	
3	.000001			.000001	
4	.000009	Aug. .0000034			
5	.000005				
6	.000007				
7	.000003				
8	.000005				
9	.000001				
10	.000002				
11	.000006				
12	.000002				
13	.000001				
14	.000002				
15	.000008				
16	.000005				
17	.000003			.000002	
18	.000003				
19	.000003				
20	.000004				
21	.000003				
22	.000002				
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24	.000002				
25	.000002				
26	.000001				
27	.000002				
28	.000001				
29	.000001				
30	.000002				
31	.000002				
31	.000004	.0000034			

Tatae Plant Purge SCF/Day

YEAR 1950

MONTH	Jan.	Feb.	Mar.	Apr.	May	June
1	4965	5355	5290	5141	5524	5516
2	4904	5568	5200	5713	5908	4616
3	4872	4833	5514	5229	5383	6012
4	5014	4744	5368	5304	5429	7342
5	5367	4576	5398	5295	5182	6100
6	4615	4882	5396	5409	4960	5698
7	6302	4803	5339	5563	5327	5390
8	5599	5629	5152	5537	5027	5331
9	4725	5181	5264	5866	5614	5238
10	4770	5556	5179	6144	5204	5220
11	4790	5182	5287	5420	4939	5193
12	4703	4878	5225	5549	4870	5298
13	4970	5100	5223	5830	4772	5135
14	5192	5426	5056	5570	4777	4997
15	4889	4886	5196	5287	4761	5032
16	4864	5454	5166	5434	4959	6171
17	4770	5378	5493	5534	4893	5203
18	4835	4910	5264	5108	4670	4880
19	6002	4893	5621	5201	4543	4643
20	5073	5108	5393	5169	4675	4855
21	4965	5124	5387	5422	4675	4737
22	5130	4825	5511	5351	4501	5375
23	5072	4914	5539	5740	4670	4842
24	5197	5078	5344	5305	5457	4763
25	4981	5211	5477	5237	4852	4779

Total Purge
SCF/Day

YEAR 1950

MONTH	Jan.	Feb.	Mar.	Apr.	May	June
26	4833 ~~4833~~	4841	5352	5640	4582	4810
27	4950	5654	5052	5373	5051	4775
28	4982	5157	5331	5032	4998	4865
29	5237	—	5234	5247	4993	5056
30	5359	—	5449	5148	4994	4773
31	5318	—	5188	—	4985	

31) 157247 / 5072

28) 142146 / 5112

31) 164893 / 5319

30) 16[illegible] / 5[illegible]

31) 155180 / 5006

30) 15[illegible] / 5222

91) 474,623 / 5214

90) 46[illegible] / 5170

Purge Rate SCf/Day
312-2 Side

YEAR 1950

MONTH	Jan.	Feb.	Mar.	Apr.	May	June
1	3632	4119	3812			
2	3571	4222	3778			
3	3606	3519	4061			
4	3682	3473	3901			
5	3384	3387	3975			
6	4683	3563	3937			
7	4234	3514	~~3779~~ 3831			
8	3520	4328	3779			
9	3580	3527	3751			
10	3600	4095	3808			
11	3500	3822	3916			
12	3775	3585	3808			
13	4027	3672	3765			
14	3769	4025	3745			
15	3730	3590	3659			
16	3642	4088	3667			
17	3710	3984	3896			
18	4634	3631	3672			
19	3933	3631	4009			
20	3695	3847	3765			
21	3868	3786	3997			
22	3942	3562	3995			
23	3913	3652	4021			
24	3712	3767	3843			
25	3401	3855	3949			

Purge Rate SCf / Day
312-2 Side

YEAR: 1950

MONTH	Jan.	Feb.	Mar.	Apr.	May	June
26	~~4833~~ 3583	3583	3818			
27	3448	4120	3699			
28	3547	3735	3968			
29	3538	—	3815			
30	3953	—	4044			
31	4088	—	3757			
	118150 / 31	10\$682 / 28	119441 / 31			
avg.	38-11	3774	3853			
	3760					

Orifice Rates

SCF/day
312-2 side

YEAR 1949

	MONTH July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4597	4420	5859	5722	5840	5047
2	4120	4360	6116	5155	5591	5559
3	5194	4403	5524	5078	5367	5082
4	4509	4496	5004	5218	6715	5632
5	4207	4839	4784	5790	5944	5290
6	3796	4463	6109	6450	4997	6054
7.	3864	4268	5913	5445	4947	5258
8	5022	4467	5919	6379	5931	5299
9	5818	4497	5577	4539	6791	5247
10	5362	6163	5532	5042	7309	5164
11.	6315	5305	5095	4863	6545 (6548)	5154
12	6340	5019	5345	5121	5384	5560
13	5462	5188	5881	4542	6545	5091
14.	4491	5585	6023	4367	5924	5174
15	5354	6462	6446	5585	5445	5045
16	4321	5415	4875	4765	5510	4754
17	4151	6355	5790	4776	5667	4878
18.	4074	5559	5538	4610	5464	4915
19	4714	5874	4839	4236	6731	5220
20.	4637	6495	5637	4650	6567	5600
21	4446	5113	5930	5159	5566	5380
22	4524	6089	5739	5368	6287	5899
23	4364	5032	5291	5162	5544	5391
24	4218	5907	5301	5063	5462	5468
25	4321	5710	4829	5053	5519	4852

Purge Rate

SCF/day
312-2 Side

YEAR 1949

MONTH	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	4581	4992	5199	5299	5304	~~3806~~ 5148
27	4185	6163	6351	5730	5161	~~3477~~ 5003
28	4390	5991	~~5199~~ 6053	5839	5002	3779 5060
29	4658	5522	~~6351~~ 5409	4966	5449	~~3579~~ 4894
30	4415	5278	5834	5076	5342	3712 5057
31	4282	5579		5866		3662 4765
	144732 / 31	165,109 / 31	167,842 / 30	~~21314~~ / ~~31~~	173820 / 30	~~154028~~ / ~~31~~
	avg. 4669	5323	5595	160314 / 31	5794	~~4969~~
	3 mo. avg. 5196			5171		162140 / 31
				~~3 mo. avg. 5311~~		5230

5514
90 | 496274

3 mo. avg. 5394

Purge Rates SCF/day
312-2 Side

YEAR 1949

	MONTH Jan.	Feb.	Mar.	Apr.	May	June
1	5361	6155	6006	4664	3683	4386
2	4479	5110	6687	3892	4033	4459
3	5461	5756	4998	3563	4699	4347
4	5691	5240	5050	4061	5929	4175
5	4802	4698	5219	3525	5362	4094
6	5637	4483	4161	5043	5016	4323
7	5734	4806	5307	5692	3987	4387
8	5704	4858	5130	6941	3851	4300
9	4652	4964	4779	9001	3786	4334
10	5606	6601	4928	5547	5288	4203
11	6122	5639	4499	4643	4380	4017
12	6302	5411	6602	4936	3803	5259
13	6082	5450	3730	9191	3825	39
14	5001	5745	4046	7698	3668	4399
15	4258	7835	3922	4580	3589	4352
16	4379	6324	4523	5094	3758	4893
17	5756	5027	4419	4025	3953	4659
18	6603	7852	4963	4773	4220	4762
19	5314	5320	5806	4027	3955	4873
20	4874	4149	5633	5901	3900	4407
21	5619	4854	6344	6707	4083	4644
22	5454	5203	4787	9771	5094	4669
23	4494	4666	4718	6994	4469	4567
24	4691	5243	4560	5712	4235	4855
25	4965	5449	4558	5402	4256	4125

Purge Rates SCF/day
3/12-2 Site

YEAR 1949

MONTH	Jan.	Feb.	Mar.	Apr.	May	June
26	4650	4052	4440	4516	3998	4407
27	5197	3799	4059	4080	4198	4998
28	4385	4176	4286	4325	3789	5139
29	4132	—	4490	4232	3835	5664
30	4125	—	3736	4615	4224	4467
31	5992	—	4692	—	4276	—
	161320	148505	151478	163151	131062	136123
	31	28	31	30	31	30
	avg. 5210	5317	4873	5438	4228	4537

Purge Rate SCF/day
312-2 Side

YEAR 1948

MONTH	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5621	4548	[illegible]	4852	4290	4435
2	5984	4454	4510	4873	3890	514[illegible]
3	5776	4938	5378	4089	4307	5114
4	4539	4574	4527	4596	4825	4716
5	5423	4751	[illegible]	3500	5321	4192
6	5223	5009	4101	4003	4472	4529
7	5711	5001	5281	4349	3904	4718
8	6263	4181	4192	4764	3993	5734
9	7053	4466	4131	4634	3999	5290
10	4749	4428	4129	3982	4745	6209
11	4491	4491	4374	4785	5256	5686
12	5305	4468	4208	4957	5340	4594
13	5359	4316	4758	4999	4409	6441
14	5250	4519	4433	5397	4275	5817
15	5211	4122	4217	5244	4139	3364
16	5197	4233	4669	4628	4026	4229
17	5243	4354	4231	3951	5485	4669
18	4741	5902	4233	3940	5910	4518
19	5229	5850	4051	3976	5734	4891
20	652[illegible]	4516	4018	4540	5018	4505
21	4936	4349	4309	4904	3828	6840
22	4906	4041	[illegible]	5135	4468	7054
23	534[illegible]	4652	4225	4401	5831	9522
24	5232	4686	2725	4333	5607	6506
25	4869	504[illegible]	6512	4097	4980	5429

Purge Ratio Study
B12-2 Side

YEAR _____

	MONTH July	Aug.	Sept.	Oct.	Nov.	Dec.
26	4516	5097	3831	4152	5011	5023
27	5213	4401	4322	4171	4896	5548
28	4826	4542	3682	3870	4212	6721
29	4819	4236	4387	5054	4198	5366
30	4755	4416	4131	4514	4820	8969
31	5143	4516	—	4091	—	5500
	163683 / 31	143048 / 31	132783 / 30	138781 / 31	141199 / 30	171270 / 31
	5280	4614	4426	4477	4707	5524

Purge Rate SCF/day
312.2 Sidley

YEAR 1948

MONTH	Jan.	Feb.	March	Apr.	May	June
1	3905	3871	3793	4330	5059	4137
2	3817	3753	3663	4147	4078	5336
3	3609	4338	4282	3877	4313	4961
4	3613	4349	4113	4586	4407	4554
5	3632	4015	3800	3622	4183	5412
6	3607	3867	3678	3651	3903	3986
7	3641	5212	3450	4502	4577	5514
8	4641	3592	3653	5158	3735	5581
9	3806	4118	3670	5634	3761	4533
10	3563	3982	3649	4370	3653	4915
11	4332	4376	5064	4370	4552	5527
12	3525	3881	4213	4179	5680	5307
13	3796	3642	3779	4839	6380	5772
14	3777	3603	3533	3919	5485	4877
15	5093	3536	3730	3762	5036	5355
16	4767	3846	3716	3773	4806	4885
17	5003	3909	3458	4969	4460	5644
18	4963	4292	3772	4236	4422	[illegible]
19	4850	3772	4384	3859	4825	[illegible]
20	3869	3892	3829	3781	4751	[illegible]
21	3714	5636	3722	3995	5726	[illegible]
22	3948	4926	3835	3856	5512	[illegible]
23	5053	3835	4800	4162	3882	[illegible]
24	3724	3818	4963	3871	4355	[illegible]
25	3511	3869	4753	3842	5005	[illegible]

Purge Rate SCF/day

YEAR 1948

MONTH	Jan.	Feb.	March	apr.	may	June
26	3653	3894	3751	4215	4590	5416
27	4208	3793	3684	3907	4563	4127
28	4426	3810	3697	3877	4259	4052
29	3823	3819	4871	3984	4450	4082
30	3795		4674	4347	3971	4776
31	5221		3743		4192	
	126885 / 31	117246 / 29	123722 / 31	125620 / 30	142569 / 31	144614 / 30
	4093	4042	3991	4187	4599	4821

Purge Rate SCF/day

YEAR 1947

MONTH	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4506	5200	3662	4359	3584	3318
2	3383	5728	3422	3894	3899	3305
3	3502	4820	3777	4485	3745	3468
4	3192	5022	3890	4212	3521	3586
5	3393	3722	4130	3978	3441	4202
6	4212	3466	3720	4872	3554	3689
7	3209	3527	3762	4058	3536	3510
8	3819	3408	4324	3490	3443	3573
9	3257	3311	3534	4631	3573	3510
10	3605	3462	3722	5060	3332	3395
11	3940	3410	3797	4406	3566	3429
12	3284	3724	5409	4733	4418	3523
13	3311	4121	3735	4055	3525	3294
14	3332	6937	3324	3856	3378	3885
15	3640	5633	4435	4135	4475	4003
16	4070	3410	4305	3659	3468	4047
17	3856	4430	3479	3338	3426	3385
18	3504	3590	3814	3898	3361	3626
19	3368	3479	4380	3682	3439	4011
20	4206	3542	3751	3634	3406	3688
21	5260	3688	3615	3500	3666	3701
22	3343	4458	3580	3365	4667	5491
23	3383	3437	3636	3726	3376	3783
24	4426	3416	3605	3429	3500	3494
25	3462	3426	3588	3395	4380	3452

Pump Rate SCF/day

YEAR 1947

DAY	MONTH Jan	Feb.	Mar.	Apr.	May	June
26	4192	3441	3512	3429	3632	3458
27	6218	4200	3491	3716	3458	3470
28	7549	3997	4487	4227	3395	3499
29	4992	5030	3982	3615	3408	3489
30	3691	3668	4579	3672	3374	4053
31	2974	3579		3718		3765
	123079 / 31	126332 / 31	116445 / 30	122227 / 31	108946 / 30	114102 / 31
	3970	4075	3882	3943	3632	3681

Purge Rate SCF/day

YEAR 1947

	Jan	Feb.	March	Apr.	May	June
1.	3657	3344	2806	3823	2954	3589
2	4390	3612	3064	3576	4087	3563
3	4046	4770	4848	4685	3899	4024
4	4218	3205	3705	5712	3157	3653
5	2472	3315	3488	4984	3347	4892
6	5492	3880	3379	4784	4971	4150
7	3800	3148	5485	3392	3041	4296
8	3137	3211	5670	3625	3672	3953
9	3548	3162	3642	3502	4212	3816
10	4252	3573	3536	5047	4250	3582
11	4666	3792	3027	5669	3364	3500
12	3326	3014	4454	6281	3481	4116
13	3548	4244	7343	4487	3397	3521
14	3263	3512	5806	4016	3452	3617
15	2943	4889	5947	5180	4097	4502
16	3933	3739	4854	5512	4479	5086
17	3800	3796	4378	5177	3533	3842
18	4053	3737	5550	3567	3630	4556
19	2752	3124	3545	4034	3594	3220
20	2779	3262	5437	4483	3607	3144
21	3452	3398	4443	4579	3584	3127
22	3671	3230	4461	3898	5250	3051
23	4146	2801	4120	3697	4181	3085
24	3623	2970	3504	3577	3395	2984
25	3257	2833	3317	3462	3500	2997

Purge Rate SCF/day

YEAR 1947

MONTH	Jan.	Feb.	mar.	apr.	may	June
26	3243	3461	2954	4776	3877	3464
27	3573	3923	3087	5114	3645	4581
28	3535	3255	3225	4282	4110	3965
29	3913		3132	3678	3894	3294
30	4170		3103	3311	3659	3563
31	3623		3265		4254	
	114181 / 31	98200 / 28	128575 / 31	131410 / 30	117576 / 31	112733 / 30
	3683	3507	4148	4380	3793	3758