

第2節 その他の対策

1 大気汚染の概況

(1) 大気汚染の概況

	22				
			22		
	0.002ppm		0.001ppm	0.004ppm	
0.016ppm		0.009ppm	0.020ppm		
0.027ppm		0.022ppm	0.033ppm		5
			1		
0.4ppm			0.6ppm		
	1	14			
				3	
		1			
	0.023mg/m ³		0.013mg/m ³	0.027mg/m ³	
0.034mg/m ³			0.029mg/m ³		0.025mg/m ³
					3
	1				4
		0.0016mg/m ³	0.00013mg/m ³	0.00014mg/m ³	0.00085mg/m ³
		10	4		
				0.016pg-TEQ/m ³	
0.011pg-TEQ/m ³	0.025pg-TEQ/m ³				
			2-1-1	2-1-1	

		二酸化硫黄	二酸化窒素	浮遊粒子状物質	一酸化炭素	光化学オキシダント	ベンゼン等	ダイオキシン類	テレメータ装置			設置主体	図面上の番号
									風向・風速	温度	湿度		
	12-12												1
	16												2
													3
	6-48												4
	7-1												5
	1-3												6
	22-1												7
	1-1												8
	13-1												9
	5												10
	2-4												11
	15-1												12
	3-1												13
	2-1												14
	3												15
													16
	2-4												17
	20-2												18
													19

()1

2 : ○は測定を実施していることを示す。



図 2-1-1 大気測定局設置状況図（平成 23 年 3 月末現在）

(2) 光化学オキシダント対策

ア 光化学オキシダントに係る大気汚染の状況

(ア) 光化学オキシダント

22

14

22

1

163 457

1

0.12ppm

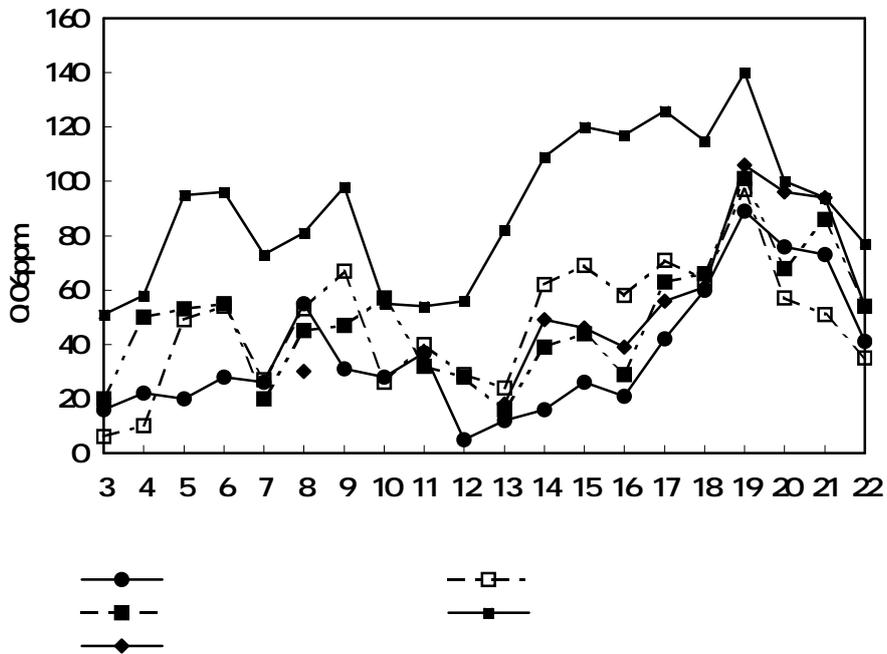
0.06ppm

2 1 2

1

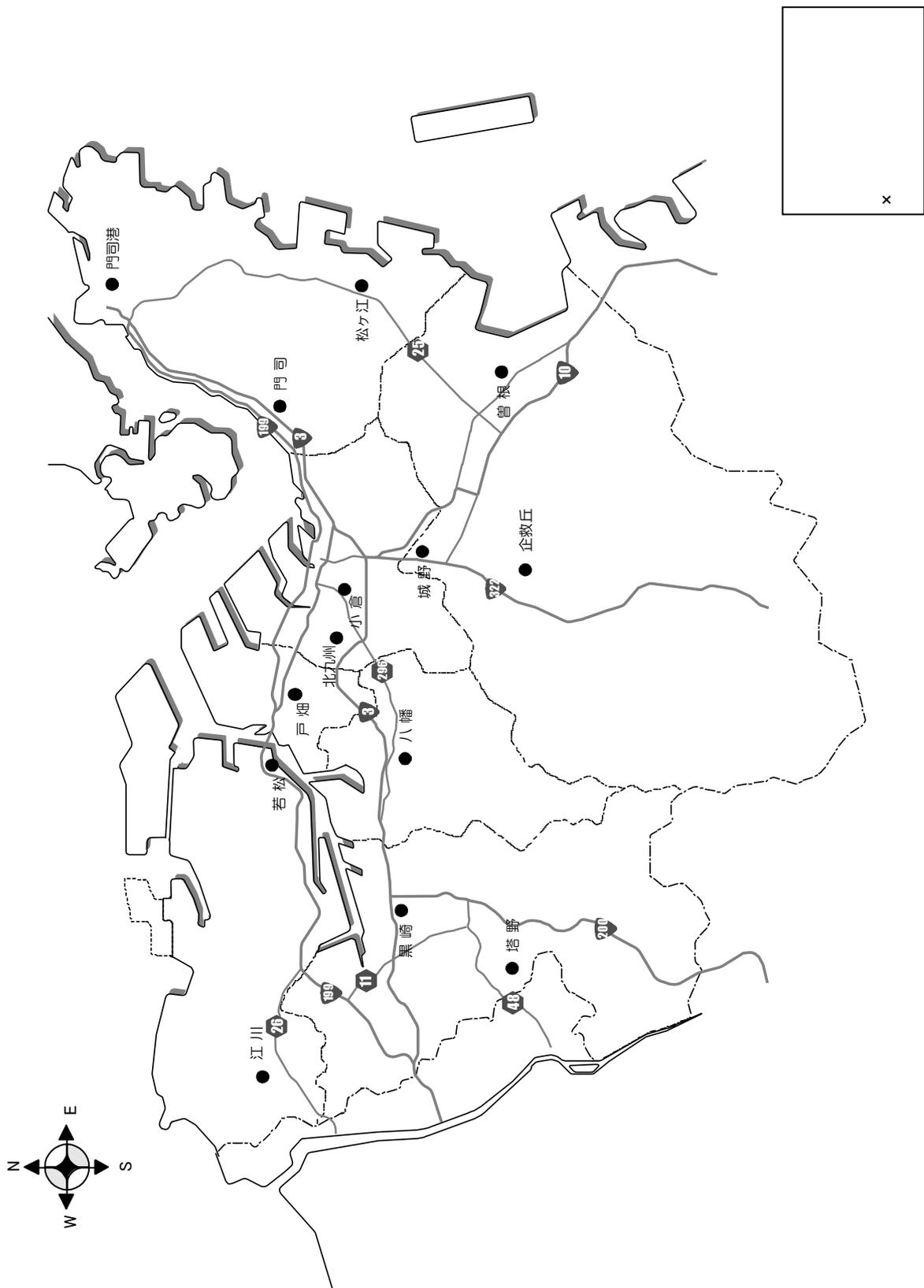
0.06ppm

1 2 1 3



2 1 2

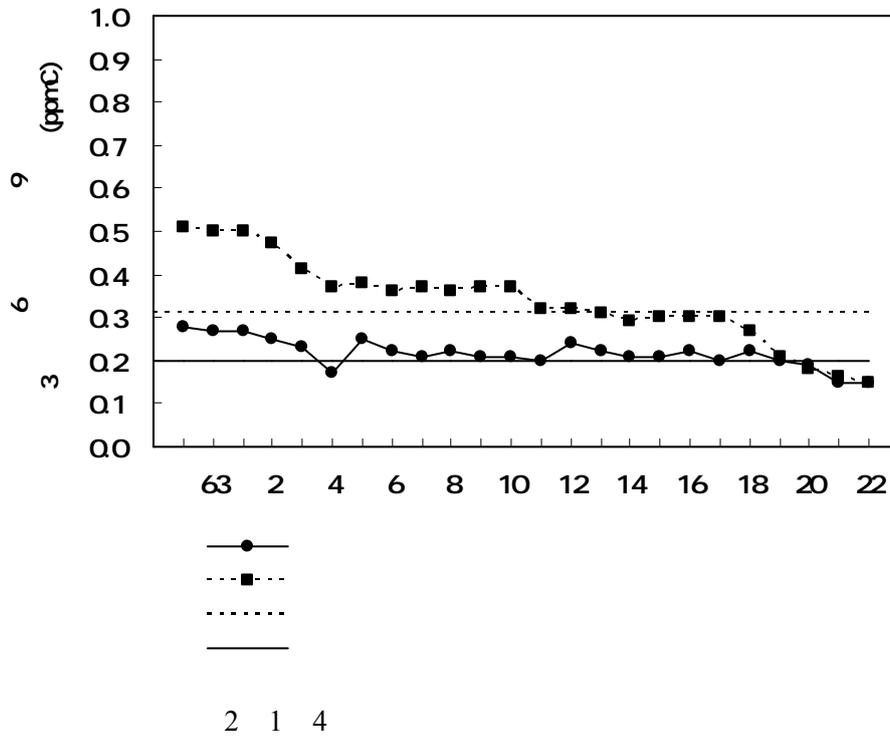
0.06ppm



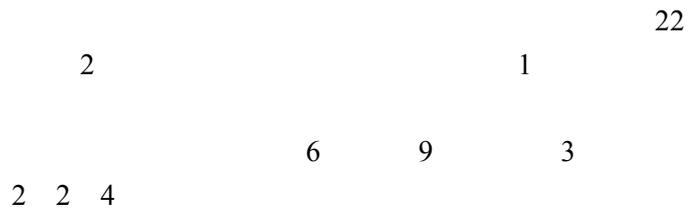
2 1 3

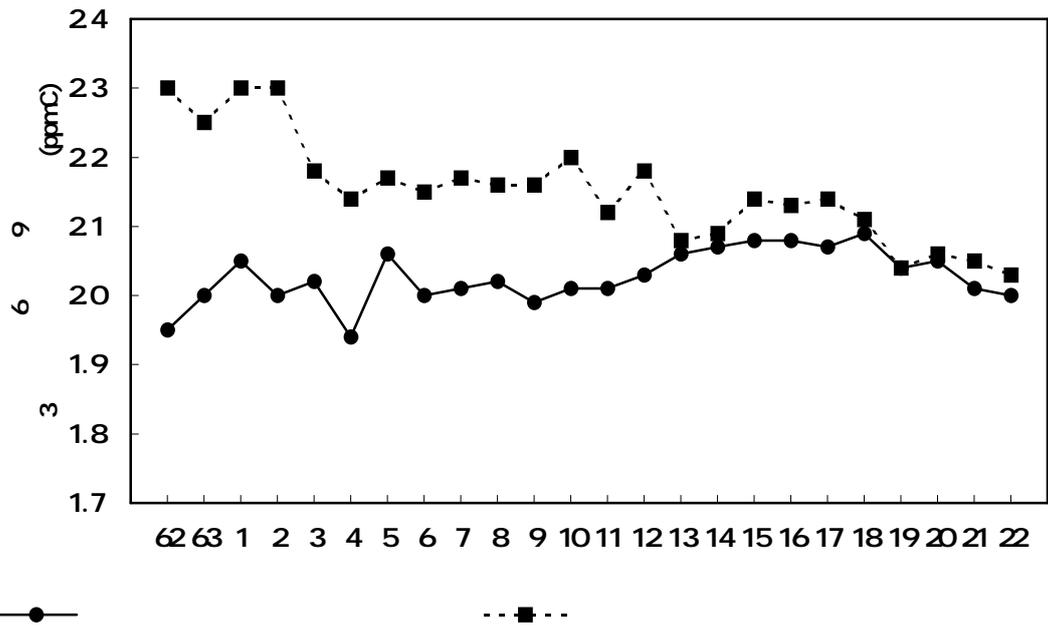
22

(イ) 非メタン系炭化水素



(ウ) 全炭化水素





2 1 5

イ 当該課題に係る要因分析及び過去の施策の実施状況

2 1 2

	0.120	1	20%

	1	0.240	30%
	1	0.400	40%

ウ 講ずる施策及び達成目標

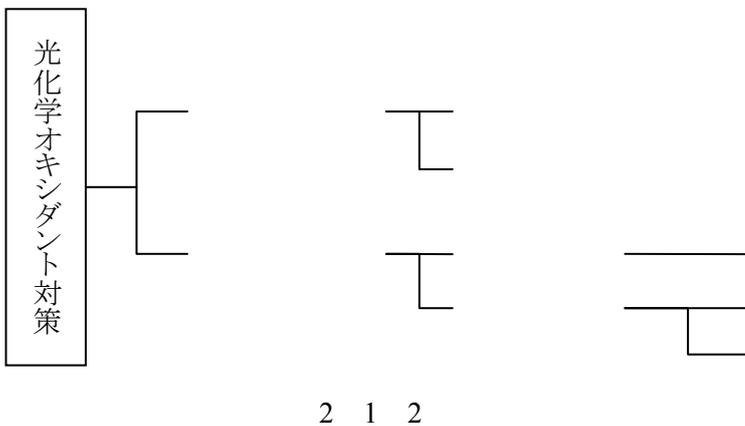
8.4% 3%

(ア) 原因物質対策

VOC

(イ) 緊急時対策

59 7



2 騒音・振動対策

(1) 騒音・振動の概況

44 5

52 10

48 7

10 9

11 3

ア 自動車交通騒音

62

11 4

12 18 22 5

140 140

22 86.9% 98.3%

93.2%

22

2 2 1 2 2 2

2 2

1

		2 2 1		22		
		41,763	39,855	39,569	3,473	45,522
		91.7	87.6	86.9	7.6%	
		56,530	56,001	55,962	359	56,928
		99.3	98.4	98.3	0.6%	
		98,293	95,856	95,531	3,832	102,450
		95.9	93.6	93.2	3.7	

() 6 22 70 B 22 6 65 B

0 20 2 0 15

20 50 2 15 50

					L ₂₀₀ []		/ : []										10 []	[]
					70	65												
1			4	3	H19.2.27	72	68	79.1	62.9	62.9	20.9	99.7	99.3	99.3	0.3	260	4.5	
2			4	3	H19.2.27	71	67	100.0	76.2	76.2	0.0	100.0	100.0	100.0	0.0	354	3.1	
3			4	3	H19.2.6	68	65	99.8	99.8	99.8	0.2	100.0	100.0	100.0	0.0	452	4.5	
4			4	10	H19.2.27	71	68	85.5	61.5	61.5	14.5	100.0	99.6	99.6	0.0	494	2.9	
5			6	10	H19.2.15	70	66	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	652	6.3	
6			2	199	H19.2.27	73	73	76.3	13.6	13.6	23.7	100.0	50.9	50.9	0.0	270	7.4	
7		16	4	199	H19.2.20	74	69	59.7	59.7	59.7	40.3	99.7	99.7	99.7	0.3	426	3.8	
8			2	199	H19.2.20	68	64	100.0	99.7	99.7	0.0	100.0	100.0	100.0	0.0	172	3.1	
9			4	211	H19.2.6	72	71	52.5	36.5	36.5	47.5	100.0	89.3	89.3	0.0	316	4.7	
10			4	322	H19.2.15	73	69	73.4	62.0	62.0	26.6	100.0	99.8	99.8	0.0	385	4.6	
11			4	495	H19.2.20	72	62	84.2	100.0	84.2	0.0	100.0	100.0	100.0	0.0	56	18.8	
12			4		H19.2.6	68	61	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	246	2.6	
13			4		H19.2.15	74	71	52.7	41.4	41.4	47.3	99.7	95.8	95.8	0.3	195	11.0	
14			4		H19.2.6	68	64	96.6	96.6	96.6	3.4	100.0	100.0	100.0	0.0	369	2.4	
15			4		H19.2.20	64	58	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	118	3.7	
16			2		H19.2.15	69	63	99.6	99.7	99.6	0.3	100.0	100.0	100.0	0.0	121	3.3	
17			2		H19.2.20	67	62	100.0	99.6	99.6	0.0	100.0	100.0	100.0	0.0	218	2.8	
18			2		H19.2.27	67	62	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	141	3.8	
19			2		H19.2.15	69	64	100.0	95.9	95.9	0.0	100.0	100.0	100.0	0.0	81	5.8	
20			4		H19.2.15	68	63	95.6	94.5	94.5	4.4	100.0	100.0	100.0	0.0	192	1.7	
21			4		H19.2.15	65	59	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	91	5.2	
22			6		H19.2.27	70	66	99.4	78.0	78.0	0.6	97.1	95.0	95.0	2.9	362	3.2	
23			6		H19.2.27	67	64	100.0	94.1	94.1	0.0	100.0	100.0	100.0	0.0	260	4.5	
24			4		H19.2.20	65	58	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	152	5.5	
25			2		H19.2.6	68	62	97.4	96.2	94.9	1.3	99.2	99.2	99.2	0.8	71	1.0	
26			4		H19.2.20	70	66	100.0	85.3	85.3	0.0	100.0	100.0	100.0	0.0	288	4.5	
27			4	1	H19.2.27	70	66	100.0	80.7	80.7	0.0	100.0	100.0	100.0	0.0	180	2.6	
28			4	121	H19.2.6	69	65	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	210	3.8	
29			4	2	H19.11.21	70	70	100.0	66.7	66.7	0.0	100.0	72.3	72.3	0.0	259	14.8	
30			4	3	H19.12.3	71	67	86.5	82.7	82.7	13.5	100.0	99.4	99.4	0.0	411	1.8	
31			6	3	H19.12.3	70	68	71.8	39.1	39.1	28.2	99.8	99.2	99.2	0.2	531	5.2	
32			4	10	H19.11.26	73	69	84.0	48.0	48.0	16.0	97.8	96.7	96.7	2.2	398	5.7	
33			4	199	H19.12.5	73	71	60.6	50.3	50.3	39.4	95.5	75.5	75.5	4.5	392	9.1	
34			6	199	H19.12.5	69	67	100.0	64.9	64.9	0.0	100.0	95.4	95.4	0.0	471	8.5	
35			4	199	H19.12.3	67	61	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	274	3.6	
36			4	199	H19.12.5	68	64	100.0	98.7	98.7	0.0	100.0	100.0	100.0	0.0	218	2.8	
37			4	200	H19.11.28	60	55	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	404	10.6	

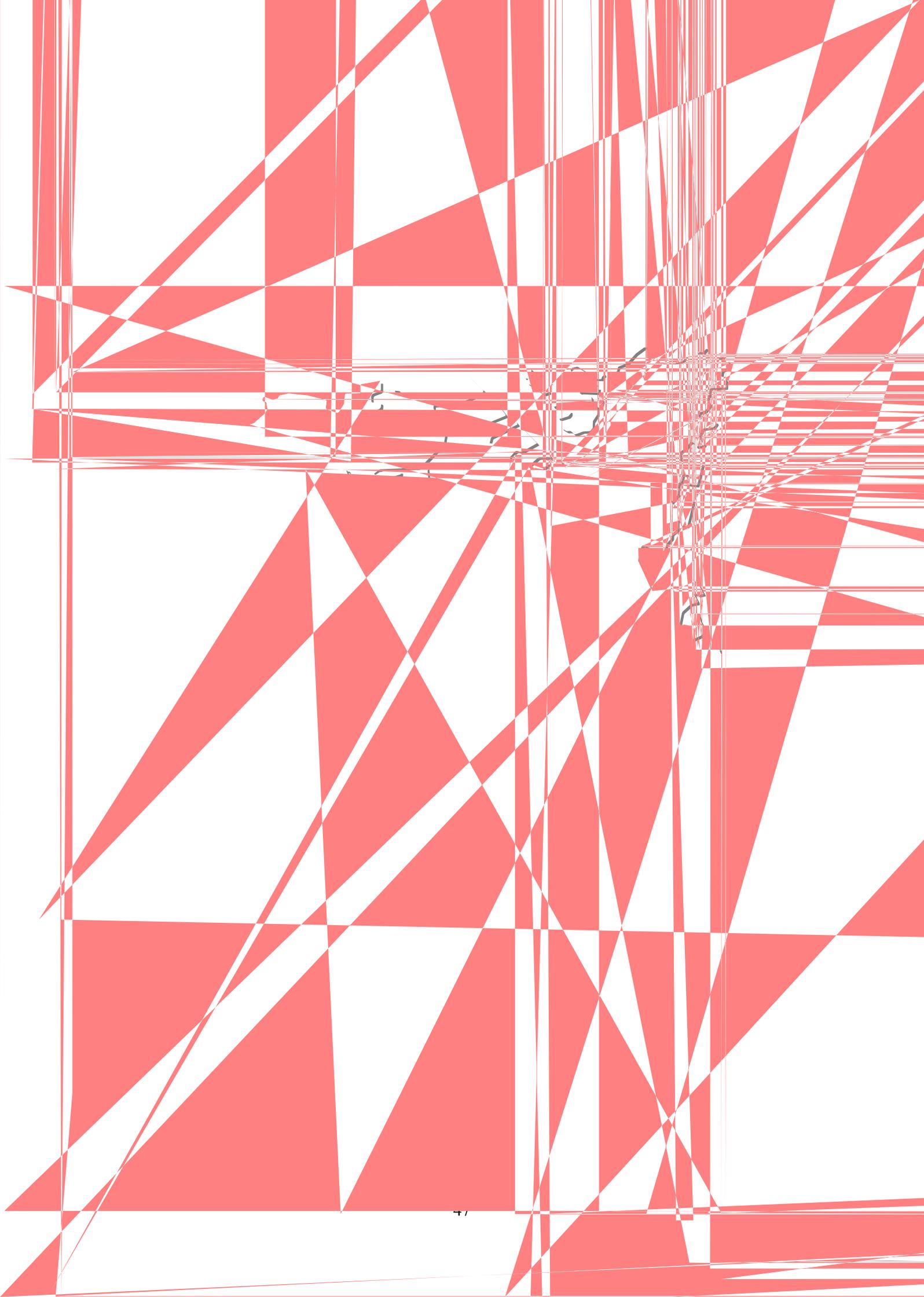
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						70	65												
38			4	322	H19.11.21	72	68	81.5	70.4	70.4	185	99.0	99.0	99.0	1.0	192	9.4		
39			4	495	H19.11.28	70	62	94.2	100.0	94.2	0.0	99.7	100.0	99.7	0.0	122	7.1		
40			4		H19.11.21	69	66	99.6	87.1	87.1	0.4	100.0	99.6	99.6	0.0	264	9.9		
41			2		H19.11.26	69	67	100.0	87.1	87.1	0.0	100.0	100.0	100.0	0.0	125	14.1		
42			4		H19.11.28	71	63	90.0	100.0	90.0	0.0	96.0	100.0	96.0	0.0	206	3.6		
43			4		H19.12.3	65	60	92.7	66.8	66.8	7.3	100.0	100.0	100.0	0.0	121	7.0		
44			2		H19.11.21	70	66	98.9	96.6	96.6	1.1	100.0	100.0	100.0	0.0	177	2.9		
45			6		H19.12.11	69	61	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	60	9.6		
46			2		H19.12.11	64	52	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	29	5.7		
47			4		H19.12.11	67	58	96.0	92.9	92.9	4.0	100.0	100.0	100.0	0.0	54	6.1		
48			2		H19.11.28	71	66	100.0	100.0	100.0	0.0	97.5	97.5	97.5	2.5	129	5.4		
49			4		H19.12.3	66	58	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	114	3.0		
50			2		H19.11.21	66	58	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	75	3.9		
51			4		H19.12.11	68	64	100.0	95.6	95.6	0.0	100.0	100.0	100.0	0.0	163	5.8		
52			2		H19.12.11	63	57	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	35	4.0		
53			2		H19.11.26	68	64	100.0	99.5	99.5	0.0	100.0	100.0	100.0	0.0	190	2.5		
54			2		H19.11.28	67	61	98.8	98.8	98.8	1.3	100.0	100.0	100.0	0.0	93	3.4		
55			6	1	H19.11.26	70	66	95.0	58.1	58.1	5.0	100.0	100.0	100.0	0.0	381	4.3		
56			4		H19.11.26	65	61	100.0	99.5	99.5	0.0	100.0	98.7	98.7	0.0	438	2.3		
57			2	3	H20.12.17	66	61	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	190	4.7		
58			4	3	H21.1.19	66	62	95.8	90.7	90.7	4.2	100.0	100.0	100.0	0.0	287	3.3		
59			2	199	H21.1.19	73	69	40.4	33.6	33.6	59.6	98.6	96.1	96.1	1.4	265	5.1		
60			4	200	H20.12.15	74	67	89.7	93.9	89.7	6.1	99.2	100.0	99.2	0.0	421	2.5		
61			2	199	H21.1.22	70	64	96.0	96.0	96.0	4.0	100.0	100.0	100.0	0.0	151	2.7		
62			2	199	H21.1.22	66	60	99.5	99.5	99.5	0.5	100.0	100.0	100.0	0.0	122	1.6		
63			2	322	H20.12.10	65	60	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	106	5.2		
64			2	495	H21.1.15	65	56	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	23	8.9		
65			2		H20.12.15	68	63	98.6	100.0	98.6	0.0	100.0	100.0	100.0	0.0	320	3.1		
66			2		H20.12.17	68	62	100.0	99.4	99.4	0.0	100.0	100.0	100.0	0.0	108	5.1		
67			4		H20.12.17	72	69	91.8	72.4	72.4	8.2	100.0	100.0	100.0	0.0	269	11.7		
68			4		H21.1.13	70	66	100.0	90.2	90.2	0.0	100.0	99.8	99.8	0.0	297	9.3		
69			4		H21.1.19	76	71	41.5	41.5	41.5	58.5	89.2	89.2	89.2	10.8	397	2.9		
70			2		H20.12.10	64	56	98.8	99.4	98.8	0.6	100.0	100.0	100.0	0.0	34	1.5		
71			2		H21.1.22	67	58	98.1	98.8	98.1	1.2	99.7	100.0	99.7	0.0	93	2.2		
72			4		H20.12.17	72	67	74.0	74.0	74.0	26.0	93.4	93.4	93.4	6.6	201	7.5		
73			2		H21.1.13	69	62	100.0	99.0	99.0	0.0	100.0	100.0	100.0	0.0	108	1.9		
74			4		H20.12.10	67	64	98.8	98.8	98.8	1.2	100.0	100.0	100.0	0.0	331	8.0		
75			2		H21.1.22	67	61	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	92	1.1		

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					70	65													
76			2		H20.12.10	64	61	1000	1000	1000	00	1000	1000	1000	00	36	28		
77			4		H21.1.19	68	62	99.7	1000	99.7	00	1000	1000	1000	00	191	45		
78			4		H20.12.15	68	60	1000	1000	1000	00	1000	1000	1000	00	154	36		
79			2		H20.12.15	71	65	90.3	99.7	90.3	03	1000	1000	1000	00	121	08		
80			2		H21.1.13	63	54	1000	1000	1000	00	1000	1000	1000	00	16	32		
81			2		H20.12.10	65	58	99.3	99.3	99.3	07	1000	1000	1000	00	73	48		
82			4	1	H21.1.15	59	50	1000	1000	1000	00	1000	1000	1000	00	63	32		
83			4	1	H21.1.19	73	70	58.3	56.3	56.3	41.7	97.5	91.9	91.9	25	310	21		
84			4	1	H20.12.15	71	64	1000	1000	1000	00	1000	1000	1000	00	267	1.3		
85			5	3	H22.1.19	67	65	1000	87.5	87.5	00	1000	1000	1000	00	225	84		
86			6		H21.12.8	74	72	58.2	55.7	55.7	41.8	99.8	64.3	64.3	02	512	41		
87			4	10	H21.12.1	66	62	98.6	92.7	92.7	1.4	1000	1000	1000	00	166	42		
88			4	10	H21.12.1	67	64	1000	1000	1000	00	1000	1000	1000	00	482	61		
89			4	199	H21.12.8	66	60	1000	1000	1000	00	1000	1000	1000	00	269	28		
90			2	199	H22.1.21	66	59	98.2	97.9	97.9	1.8	1000	1000	1000	00	86	28		
91			4		H21.12.8	74	67	57.8	76.4	57.8	23.6	97.9	98.7	97.6	1.0	236	25		
92			2	211	H21.12.8	72	71	85.5	55.1	55.1	14.5	93.1	75.9	75.9	6.9	153	50		
93			4	495	H22.1.21	71	63	96.0	1000	96.0	00	1000	1000	1000	00	210	45		
94			2		H21.12.8	67	61	1000	1000	1000	00	1000	1000	1000	00	125	30		
95			2	322	H22.1.19	65	59	99.4	99.0	99.0	0.6	1000	1000	1000	00	89	67		
96			3		H22.1.19	69	62	1000	1000	1000	00	1000	1000	1000	00	116	1.2		
97			2		H21.12.8	67	59	98.6	98.6	98.2	0.9	1000	99.7	99.7	00	65	59		
98			2		H22.1.19	71	66	80.4	78.7	78.7	19.6	1000	1000	1000	00	149	42		
99			2		H21.12.1	72	67	61.2	60.6	60.6	38.8	97.4	97.0	97.0	2.6	141	7.0		
100			4		H22.1.19	68	63	1000	99.8	99.8	00	1000	99.8	99.8	00	264	83		
101			2		H21.12.1	67	60	1000	1000	1000	00	1000	1000	1000	00	130	1.7		
102			2		H21.12.1	67	61	99.8	99.7	99.7	0.2	1000	1000	1000	00	142	22		
103			4		H21.12.1	68	63	97.2	83.5	83.5	2.8	1000	1000	1000	00	134	1.4		
104			5		H22.1.21	67	62	71.2	85.5	71.2	14.5	1000	1000	1000	00	157	62		
105			4		H21.12.8	73	68	1000	1000	1000	00	1000	1000	1000	00	322	28		
106			2		H21.12.8	58	50	1000	1000	1000	00	1000	1000	1000	00	14	00		
107			2		H21.12.8	64	58	98.6	99.3	98.6	0.7	1000	1000	1000	00	81	00		
108			4		H22.1.21	69	64	1000	1000	1000	00	1000	1000	1000	00	187	28		
109			4		H22.1.21	68	60	1000	1000	1000	00	1000	1000	1000	00	89	35		
110			4		H21.12.1	67	60	1000	1000	1000	00	1000	1000	1000	00	186	32		
111			4		H21.12.1	66	60	96.3	91.6	91.6	3.7	1000	1000	1000	00	197	31		
112			4		H22.1.26	62	53	1000	1000	1000	00	1000	1000	1000	00	57	65		
113			4		H22.1.19	65	60	1000	99.2	99.2	00	1000	1000	1000	00	388	21		

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						70	65													
114			4		H22.1.19	70	64	1000	1000	1000	00	1000	1000	1000	00	181	140			
115			4		H22.1.19	71	67	980	861	861	20	1000	1000	1000	00	317	21			
116			2		H22.1.19	64	58	1000	1000	1000	00	1000	1000	1000	00	68	1.6			
117			2		H22.1.26	63	56	1000	1000	1000	00	1000	1000	1000	00	50	16.9			
118			4		H22.1.21	72	66	99.8	99.8	99.8	0.2	1000	1000	1000	00	211	29			
119			4	3	H22.11.30	70	65	91.6	91.6	91.6	8.4	1000	1000	1000	00	144	9.9			
120			4	3	H23.1.19	65	61	99.8	99.8	99.8	0.2	1000	1000	1000	00	375	23			
121			4	3	H23.1.19	73	69	84.8	73.6	73.6	15.2	1000	99.1	99.1	00	314	1.3			
122			4	3	H23.1.19	72	69	92.5	77.1	77.1	7.5	91.1	82.1	82.1	8.9	425	4.5			
123			6	10	H22.11.30	73	70	61.0	48.8	48.8	39.0	1000	95.3	95.3	00	609	31			
124			4	200	H23.1.19	75	69	60.9	65.1	60.9	34.9	99.1	99.6	99.1	0.4	381	3.7			
125			2	211	H23.1.19	68	67	84.4	59.7	59.7	15.6	99.5	95.1	95.1	0.5	236	4.5			
126			5	322	H22.11.30	66	61	99.0	98.6	98.6	1.0	1000	1000	1000	00	330	3.5			
127			2	200 ()	H23.1.19	68	63	1000	1000	1000	00	1000	1000	1000	00	137	4.1			
128			2	322	H22.11.30	64	54	99.5	99.3	99.3	0.5	1000	1000	1000	00	12	4.3			
129			4		H22.11.30	67	65	1000	1000	1000	00	1000	1000	1000	00	72	4.9			
130			2		H22.11.30	60	54	1000	98.2	98.2	00	1000	1000	1000	00	10	6.7			
131			2		H23.1.19	68	62	1000	99.7	99.7	00	1000	1000	1000	00	141	1.3			
132			4		H23.1.19	73	67	84.0	87.5	84.0	12.5	99.3	1000	99.3	00	401	3.7			
133			4		H22.11.30	69	64	1000	1000	1000	00	1000	99.0	99.0	00	211	5.8			
134			2		H23.1.19	67	59	1000	1000	1000	00	1000	1000	1000	00	46	0.7			
135			2		H22.11.30	66	59	1000	99.5	99.5	00	1000	1000	1000	00	186	4.7			
136			2		H23.1.19	68	59	1000	1000	1000	00	49.8	55.2	49.8	44.8	63	4.0			
137			4		H22.11.30	65	60	1000	1000	1000	00	1000	1000	1000	00	173	2.4			
138			4		H22.11.30	71	66	82.3	82.8	82.3	17.2	99.6	99.6	99.6	0.4	412	2.3			
139			4		H22.11.30	68	62	1000	1000	1000	00	1000	1000	1000	00	232	2.6			
140			4	67	H23.1.19	70	63	91.9	1000	91.9	00	1000	1000	1000	00	272	1.9			

Aeq

6 22 22 6
70 65
75 70
0 20m 2 0 15m 20 50m 2 15 50m



ウ 騒音・振動に係る苦情件数

22

119

40

22

1

2 2 4

2

2 5

2 2 4

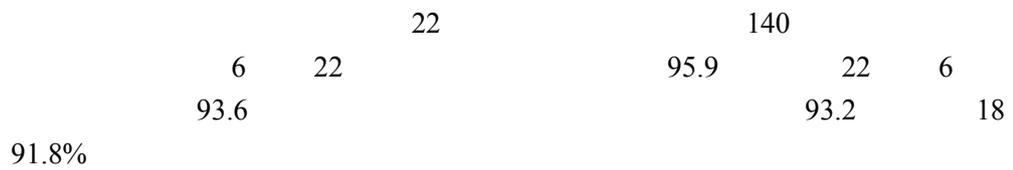
18	48	59	2	2	2	14	0	0	14	141
19	37	43	2	2	0	14	0	0	15	113
20	29	27	0	2	2	10	0	1	21	92
21	22	31	1	2	1	20	0	1	15	93
22	22	50	2	2	4	15	0	2	22	119

2 2 5

18	7	9	0	0	1	0	1	18
19	2	4	0	0	0	0	0	6
20	1	9	0	0	0	0	2	12
21	0	4	0	0	0	0	4	8
22	0	1	0	0	0	0	0	1

(2) 当該課題に係る要因分析及び過去の施策の実施状況

ア 自動車騒音



イ 新幹線騒音・振動

36km

9km

JR

(3) 講ずる施策及び達成目標

JR

ア 自動車騒音・道路交通振動対策

20 12

イ 山陽新幹線における騒音・振動対策
(ア) 発生源対策

JR

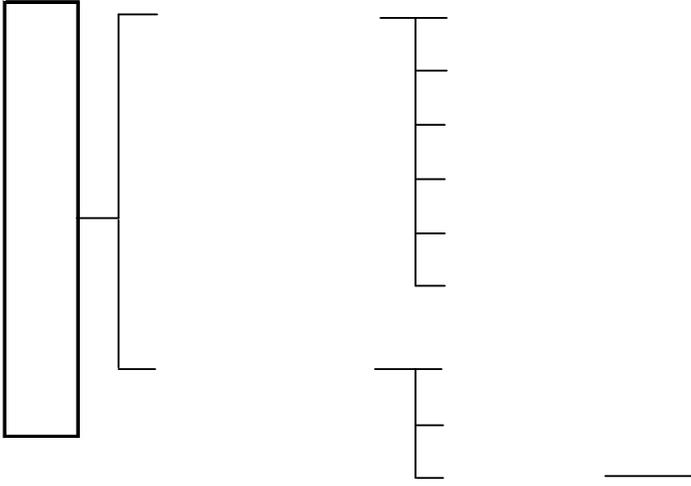
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JR

(イ) 障害防止対策

JR

(ウ) 沿線土地利用対策



2 2 3