NOES QUESTIONNAIRE ITEM NO. 12 Workers in Non-Administrative Areas

Intent

The intent of this question was to determine the number of employees in the surveyed facility working in those locations where production or service work is conducted.

This item was displayed on the questionnaire as:

12. Of this total number, how many are normally in the work areas as opposed to the administrative or other areas?

Notes

"Work area" was defined as that location or locations where the production or service activities of the surveyed facility take place.

Personnel located in the work area as a consequence of their job were included in this response even if their tasks did not relate directly to the product(s) or service(s) of the facility.

Personnel normally employed outside the work area, such as administrative or clerical staff, were excluded.

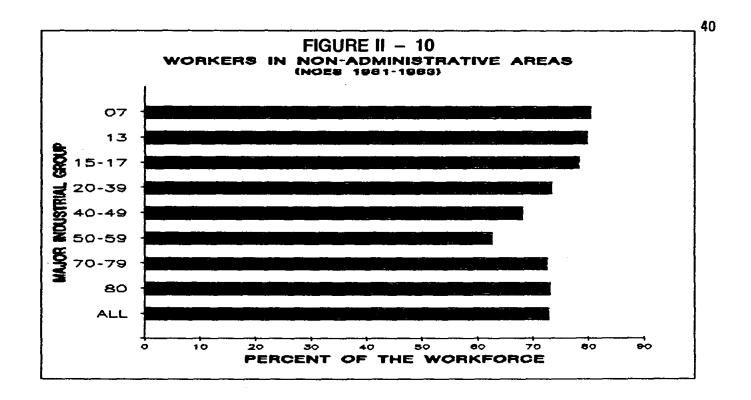
Analysis

One analysis of the responses to question 12 is presented.

Response 12 - Number of employees in work area

The estimated number and proportion of workers whose normal employment is in the production or service areas of their place of employment are displayed in Figures II-10 and II-11, and Tables II-7 and II-8.

Figure II-10	Workers in non-administrative areas
	(by major industrial group)
Figure II-11	Workers in non-administrative areas
	(by 2-digit SIC)
Table II-7	Estimated number and percent of workers in
	non-administrative areas by industry and plant size (by major industrial group)
Table II-8	Estimated number and percent of workers in
·	non-administrative areas by industry and plant size (by
	2-digit SIC)

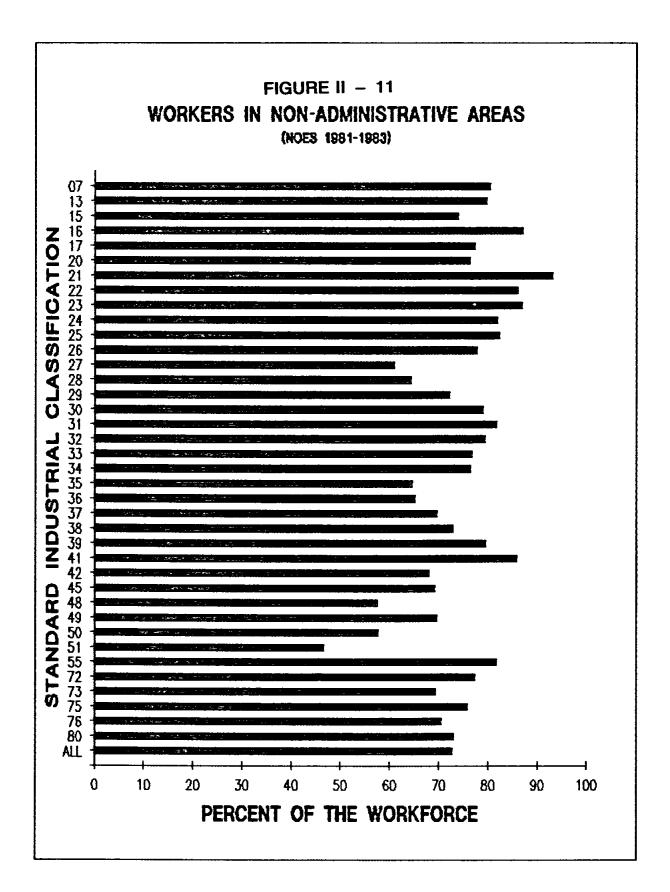


NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981–1983) TABLE NO. II-7

ESTIMATED NUMBER AND PERCENT OF WORKERS IN NON-ADMINISTRATIVE AREAS BY INDUSTRY AND PLANT SIZE

PLANT SIZE MEDIUM LARGE ALL MAJOR SMALL (>500) (8-99)(100-499)GROUP 89189* 07 82460* 6729* (6413) 96.0% (24504)(23190)80.6% 79.5% 158241* 142602* 29998* 330841* 13 (91202)(39952)(47384)(33734)82.0% 95.6% 79.9% 75.7% 2411545 602947 209118* 1599480 15-17 (116199)(25109)(95174)(92666)76.2% 81.8% 88.6% 78.5% 20-39 3502076 4850656 5801742 14154473 (39557) (319643) (166695)(383537) 75.9% 76.0% 70.2% 73.5% 40-49 962377 845024 350152 2157553 (155918)(78482)(197211)(74066)67.1% 73.3% 61.0% 68.3% 50-59 701309 260823* 962132 (76355)(100032)(60163)62.8% 62.4% 63.8% 1038362 354350 203703* 1596415 70-79 (100102)(79030) (50570) (59178) 72.7% 74.5% 76.3% 60.0% 2679610 75709 413929 2189972 80 (18843)(62989)(258913)(261562)74.5% 77.4% 72.5% 73.Z% 24381758 8120013 7477059 8784685 ALL (131736)(386924)(342672)(544786)75.8% 70.5% 73.0%

^{*}Standard error >25% of the estimate. The estimate may be unreliable. ...No facilities observed.



ESTIMATED NUMBER AND PERCENT OF MORKERS IN NON-ADMINISTRATIVE AREAS BY INDUSTRY AND PLANT SIZE

		PLANT SIZE						
SIC	SMALL	MEDIUM	LARGE	ALL				
CODE	(8-99)	(100-499)	(<u>></u> 500)					
07	82460° (24504) 79.5%	6729* (6413) 96.0%	•••	89189 * (23190) 80.6%				
13	158241*	142602*	29998*	330841*				
	(39952)	(47384)	(33734)	(91202)				
	75.7%	82.0%	95.6%	79.9%				
15	407642	140780	116410*	664833				
	(32985)	(32766)	(69509)	(77837)				
	72.4%	71.0%	86.4%	74.2%				
16	235993	189268	92708*	517969				
	(39340)	(40625)	(49639)	(77674)				
	83.1%	91.1%	91.6%	87.3%				
17	955844 (26841) 76.4%	272899 (65484) 82.4%	•••	1228744 (64748) 17.6%				
20	288261	516059	383947	1188267				
	(8222)	(83131)	(85446)	(97089)				
	74.2%	76.6%	78.1%	76.5%				
21	1519* (2267) 81. 4%	•••	104880* (63569) 93.5%	106399* (62989) 93.3%				
22	9 1074	292948	231300*	615322				
	(5245)	(23113)	(88623)	(84348)				
	85.9%	84.4%	88.6%	86.2%				
23	371496	545483	165257*	1082236				
	(9897)	(29664)	(65322)	(72913)				
	87.6%	89.4%	79.3%	87.1%				
24	242103	153807	79820**	475730				
	(20529)	(20569)	(45136)	(65211)				
	79.7%	83.8%	86.4%	82.1%				
ප	110544	221023	96972*	428539				
	(16215)	(34399)	(51166)	(64362)				
	79.5%	86.2%	78. 8%	82.6%				
26	108 158	220683	159260*	488101				
	(139 17)	(41083)	(50944)	(71122)				
	78.6%	78.4%	77.0%	78.0%				
27	318843	229404	176460*	724701				
	(14170)	(37750)	(55470)	(17221)				
	66.7%	63.6%	51.0%	61.2%				
28	117849	150352	323858	592059				
	(3948)	(20017)	(80883)	(86668)				
	65. <i>2</i> %	57.6%	68.0%	64.5%				
29	31501*	50613*	78401*	160516*				
	(14085)	(18069)	(53178)	(63173)				
	76.9%	80.0%	66.7%	72.4%				
30	176305	247073*	172147*	595525				
	(20885)	(73863)	(57585)	(93492)				
	78.4%	83.9%	73.7%	79.1%				
31	21909*	111646*	10645*	144200				
	(6217)	(30428)	(13596)	(32727)				
	88.0%	82.4%	68.0%	81.9%				
32	182821	172990	102171*	457983				
	(14167)	(26245)	(40668)	(37652)				
	77.1%	82.8%	79.2%	79.6%				
33	109749	241630	473345	824725				
	(8029)	(22222)	(71891)	(73658)				
	79.3%	17.7%	76.2%	77.0%				

PLANT SIZE LARGE (>500) ALL SIC CODE SMALL (8-99) MEDIUM (100-499) 263581* 1151777 432905 455291 34 (20202) (84529) (91597) (9393) 75.1% 76.7% 78.0% 76.3% 1544883 (91361) 689116 (94890) 417447 35 438319 (10315) 72.2% (14362) 63.1% 61.9% 64.9% 166702 388694 732446 1287842 36 (10622) 72.3% (8498) 70.3% (117695) 61.9% (120062) 65.5% 1035101 (149542) 68.4% 1311750 (141154) 178947 (22670) 74.8% 97702 37 (12654) 76.9% 69.8% 70108 136627 348373* 555108 38 (111262) 75.7% (118704) 73.1% (9607) (16713) 67.0% 70.3% 119937* (224895) 174659* 124209 (10758) 418805* 39 (107295) (215201) 74.9% 80.3% 83.4% 79.8% 171428* 98161 73267* 41 (22191) 83.4% (32070) 89.9% (43346)86.1% 57829* (40452) 77.3% 561058 164778* 42 338451 (42323) (37995)68.3% 63.7% 312931 45 57935* 86827* 168168* (15414) 74.8% (59122) 79.4% (42468) 63.6% (66269) 69.4% 29519* (21464) 387505 243339 (48901) 114647* 48 (29312) 57.2% 65.0% 42.1% 57.7% 588041* 49 182420 324738* 80883* (49144) (149419) (44543) 67.7% (121068) 76.3% 55.2% 69.9% 167366 528659 361294 50 (47968) (72022) 57.9% 57.3% 59.1%

6635*

(6635) 24.6%

86823*

(70498) 88.1%

65226* (20602)

79.3%

259640

(40957) 74.2%

7650*

92.9%

21834*

(17442) 89.7%

413929

(62989)

7410677

(121679) 75.8%

17.4%

99410*

334063*

(94278) 82.0%

366545

17.5%

766 108

(83441) 69.6%

320459

(47595)

16.0%

143302

(29668) 70.7%

2679610

(261562) 73.2%

24266427

(444855)

73.0%

(47441)

3668* (5196) 34.4%

200035*

(77164) 60.8%

. . .

2189972

(258913)

8111809

(385619)

72.5%

(29126)

92776*

(26920) 50.1%

247240

(44887) 80.0%

297651 (40802) 18.3%

306433

(39332) 12.1%

312809 (47210) 75.7%

121468

74.5%

8077942

(83845) 73.3%

(18714) 68.1% 75709 (18843)

51

55

72

13

75

76

80

ALL

 $^{\$}Standard\ error\ >\!25\%\ of\ the\ estimate.$ The estimate may be unreliable. ...No facilities observed.

WOES QUESTIONNAIRE ITEM NO. 13 Labor Unions in the Workplace

Intent

The intent of this question was to determine the prevalence of labor unions in the facilities included in the survey population.

This item was displayed on the questionnaire as:

- 13. Are there any labor unions operating in this facility?
 - 1 No
 - 2 Yes; list complete union names and acronyms (initials)

<u>Union Names</u>	Acronym
	
	•
	
 	

<u>Notes</u>

A union is any organization in which any of the facility's employees participate as members, which exists for the purpose of negotiating with the employer concerning grievances, wages, working hours, and conditions.

Any organization whose purpose is as defined above which existed in a surveyed facility resulted in a "yes" response and a listing of appropriate organizational names and acronyms.

The existence of organizations such as credit unions, fraternal associations, or social groups composed of facility employees whose purpose was not as defined above did not constitute a positive response, and they were not listed.

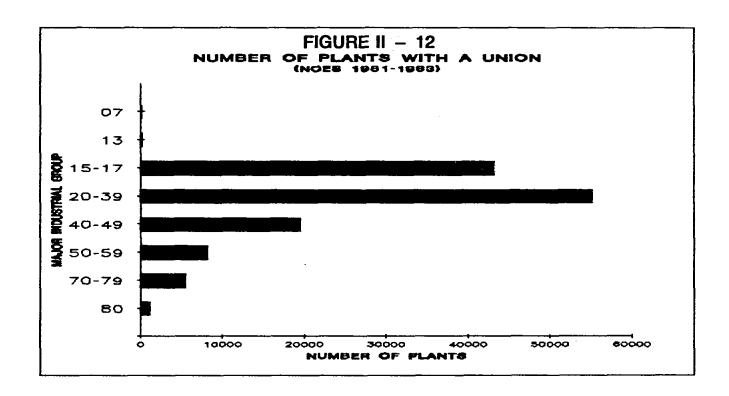
Analysis

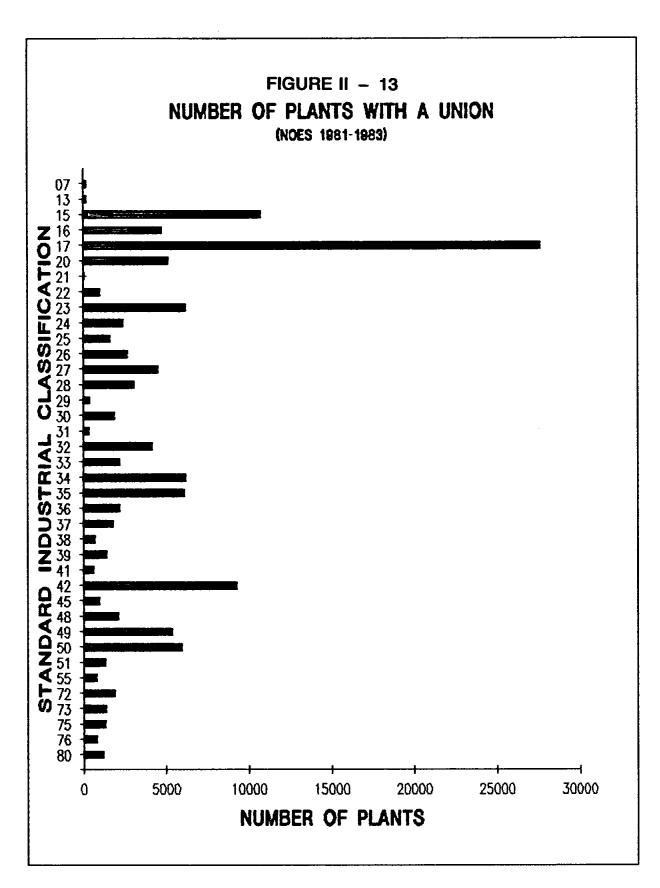
One analysis of the responses to question 13 is presented.

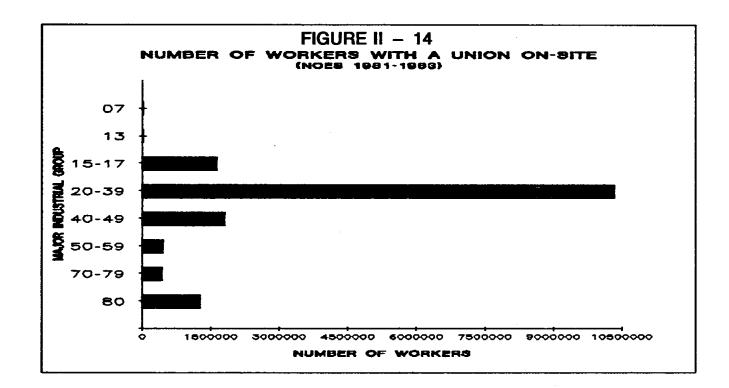
Response 13.2 - Unions operating in industrial facilities

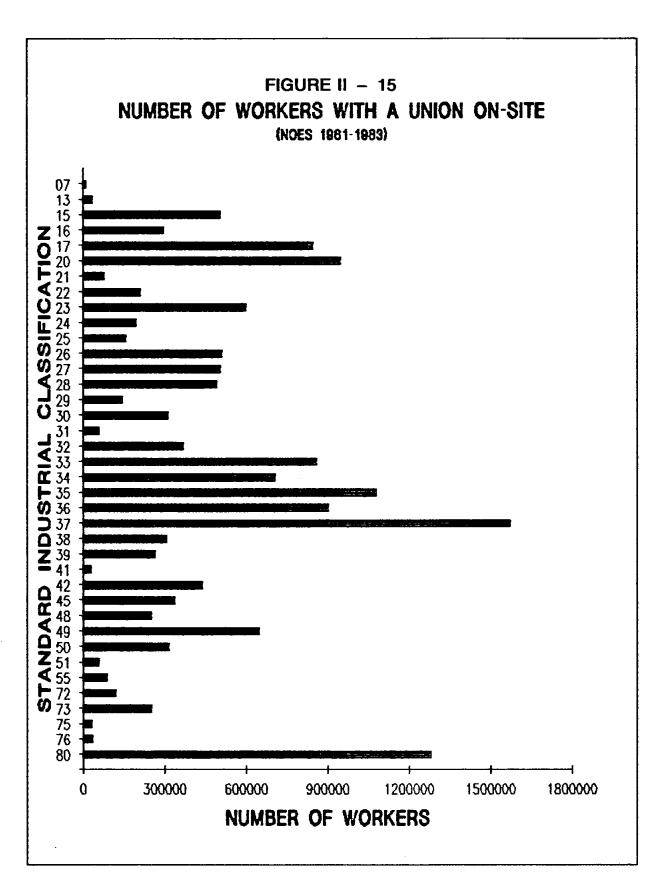
The estimates of the number and percent of plants, and workers in those plants, where at least one labor union is actively representing some or all of the facility workers are displayed in Figures II-12, II-13, II-14, II-15, II-16, II-17, II-18, II-19, II-20, and II-21, and Tables II-9 and II-10.

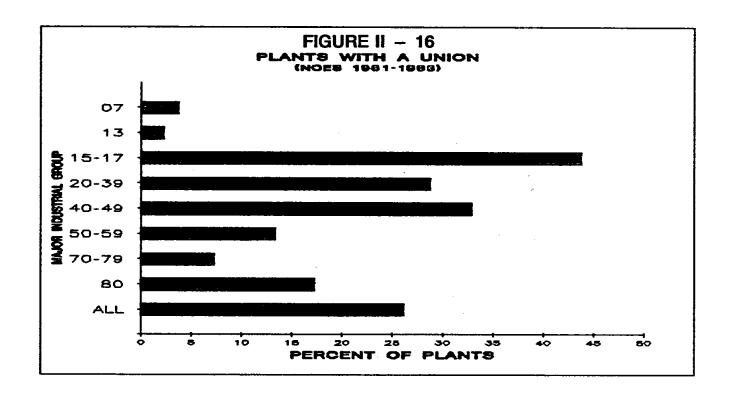
Figure II-12	Number of plants with a union
	(by major industrial group)
Figure II-13	Number of plants with a union
	(by 2-digit SIC)
Figure II-14	Number of workers with a union on-site
	(by major industrial group)
Figure II-15	Number of workers with a union on-site
	(by 2-digit SIC)
Figure II-16	Plants with a union
	(by major industrial group)
Figure II-17	Plants with a union
	(by 2-digit SIC)
Figure II-18	Workers with a union on-site
	(by major industrial group)
Figure II-19	Workers with a union on-site
	(by 2-digit SIC)
Figure II-20	Proportion of plants with a union on-site
Figure II-21	Workers with an in-plant union by plant size
Table II-9	Number and percent of plants and employees in plants
	which have union representation at the plant site (by
	major industrial group)
Table II-10	Number and percent of plants and employees in plants
	which have union representation at the plant site (by
	2-digit SIC)

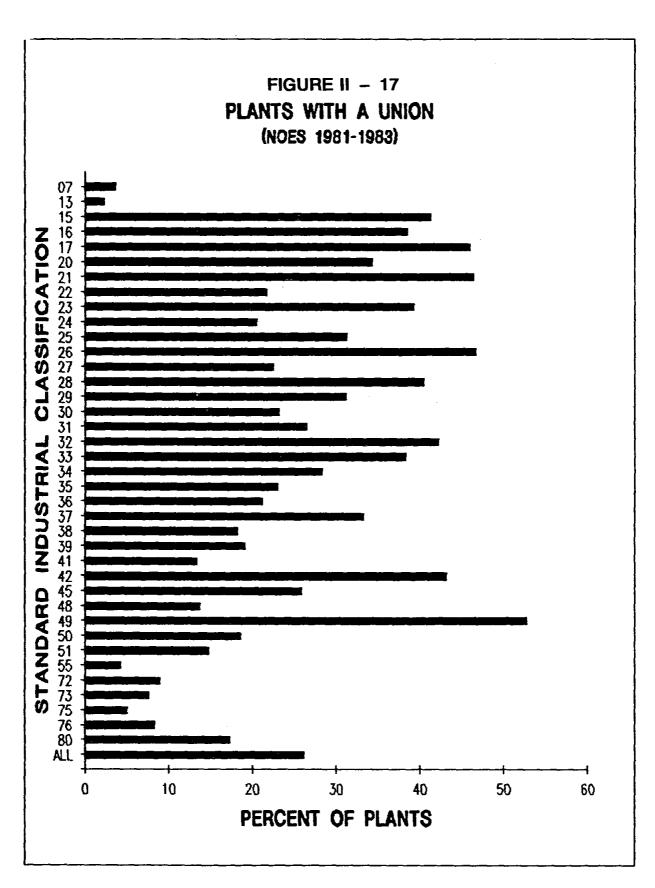


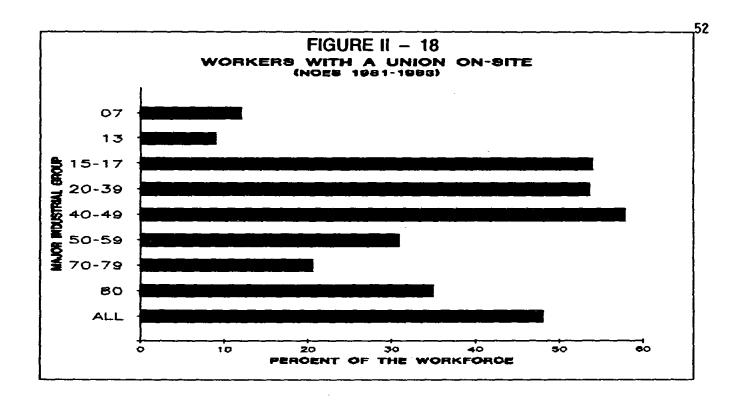










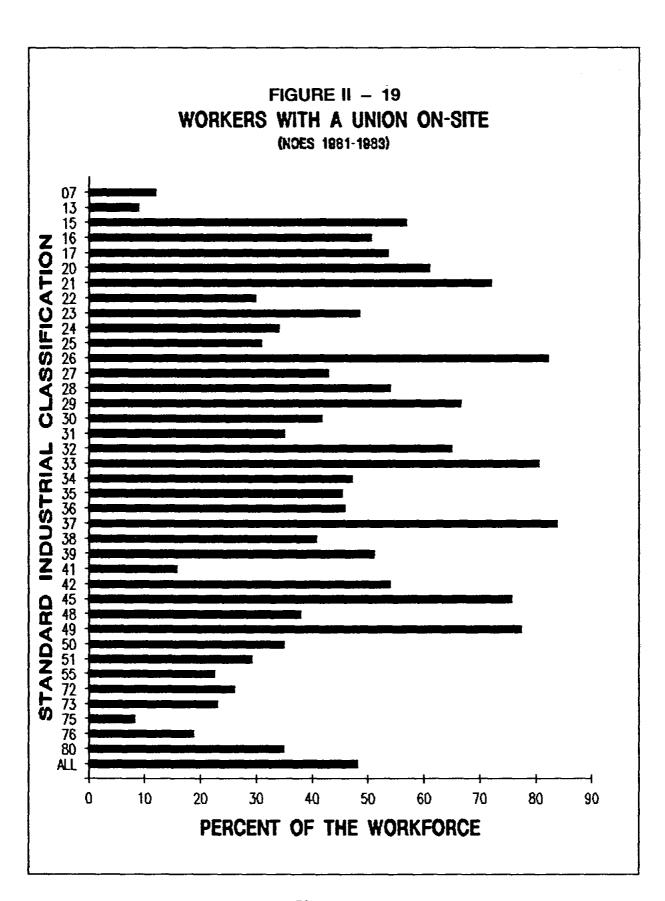


NATIONAL OCCUPATIONAL EXPOSURE SURVEY (1981-1983) TABLE NO. II-9

NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH HAVE UNION REPRESENTATION AT THE PLANT SITE

		PLANTS				EMPLOY	EES	
MAJOR GROUP	SMALL (8-99)	MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100-499)	LARGE (>500)	TOTAL
07	216* (201) 3. 9%	•••	•••	216* (201) 3.8%	13529* (13347) 13.0%	•••	•••	13529* (13347) 12. <i>2</i> %
13	152* (178) 1.8%	80* (62) 7.8%	•••	232* (134) 2.4%	10413* (11623) 5.0%	27118* (21242) 15.6%	•••	37531* (14235) 9.1%
15-17	40360	2885	93*	43338	1044520	510998	105614*	1661133
	(3017)	(462)	(40)	(3128)	(60107)	(84818)	(42017)	(135848)
	42.8%	69.6%	38.6%	43.9%	49.8%	69.3%	44.7%	54.1%
20-39	35202	16127	3969	55298	1414800	3267419	5671999	10354218
	(1639)	(1137)	(279)	(2231)	(69019)	(230680)	(285501)	(443894)
	23.0%	50.8%	6 3.3%	28. 9%	30.7%	51.2%	68.6%	53.8%
40-49	14904	4283	436*	19623	474039	818064	541037	1833140
	(2223)	(795)	(132)	(2202)	(61505)	(161101)	(101597)	(193351)
	28.0%	73.3%	93.2%	33.0%	33.1%	70.9%	94.3%	58.0%
50-59	6411 (1154) 11.0%	1840* (634) 69.2%	•••	8251 (1303) 13.5%	188142 (30847) 16.7%	287421* (101295) 70.3%	•••	475563 (108595) 31.0%
70–79	4715	789*	78*	5582	175186	137930*	141669*	454785
	(1055)	(223)	(40)	(1082)	(34150)	(42132)	(64683)	(69751)
	6.4%	33. 6%	22.0%	7.4%	12.6%	29.7%	41.7%	20.7%
80	316*	199*	715	1230*	3161*	57251*	1224250	1284662
	(319)	(108)	(120)	(347)	(3189)	(32880)	(221503)	(217828)
	11.1%	9.2%	34.7%	17.4%	3.1%	10.7%	40.5%	35.1%
ALL	102277	26201	5292	133771	3323791	5106201	7684569	16114560
	(4399)	(1614)	(336)	(4760)	(120833)	(316115)	(383205)	(563355)
	22.8%	52.4%	56.1%	26.3%	30.0%	51.8%	61.6%	48.2%

^{*}Standard error >25% of the estimate. The estimate may be unreliable. ...No facilities observed.



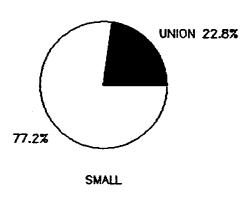
NUMBER AND PERCENT OF PLANTS AND EMPLOYEES IN PLANTS WHICH HAVE UNION REPRESENTATION AT THE PLANT SITE

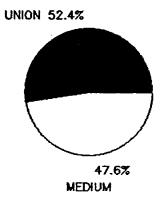
SIC	CMALL	PLANTS	1.000	T0744	en.	EMPLOY		
CODE	SMALL (8-99)	MEDIUM (100–499)	LARGE (≥500)	TOTAL	SMALL (8-99)	MEDIUM (100–499)	LARGE (≥500)	TOTAL
07	216*			216*	13529*			13529*
•	(201) 3. 9%	•••	•••	(201) 3. 8%	(13347) 13.0%	•••	•••	(13347) 12. <i>2</i> %
13	152*	80*		232*	10413*	27118*		37531*
	(178) 1. 8%	(62) 7.8%	•••	(134) 2.4%	(11623) 5.0%	(21242) 15.6%	•••	(14235) 9.1%
15	9882	865*	71*	10818	287320	144147*	79098*	510566
	(1571) 39.7%	(277) 78. 1%	(30) 52.8%	(1583) 41.4%	(36214) 51.0%	(43017) 12.7%	(30307) 58.7%	(72471) 57.0%
16	3955	853	22*	4830	104313	169671*	26516=	300500
	(846) 35.1%	(192) 76.2%	(18) 20.7%	(847) 38.6%	(19243) 36.7%	(45577) 81.7%	(20596) 26.2%	(58787) 50.7%
17	26522	1167*		27689	652887	197179		850066
	(2220) 45.6%	(304) 60.8%	•••	(2275) 46.1%	(42599) 52.2%	(45118) 59.5%	***	(65070) 53.7%
20	2915	1844	461	5221	145813	408076	397818	951707
	(477) 25.5%	(315) 57. 4%	(92) 8 2.5%	(620) 34.4%	(15356) 37.5%	(75577) 60.6%	(75081) 8 0. 9%	(98370) 61.2%
21	4*		46*	51*	258*		82069*	8 Z327*
	(6) 14.6%	•••	(37) 58.6%	(37) 46.5%	(345) 13.8%	•••	(68223) 73. 2%	(68177) 72. 23
2 2	411	541	98*	1050	33064	113515*	67483*	214062*
	(91) 14.0%	(135) 34.1%	(65) 32. 9%	(214) 21.8%	(7954) 31.2%	(31663) 32.7%	(43828) 25.8%	(58651) 30.0%
23	4619	1518	116*	6253	187608	313653	102401=	603662
•	(606) 36.9%	(245) 48.9%	(62) 48.0%	(802) 39.4%	(30942) 44.3%	(45117) 51.4%	(50494) 49.1%	(94500) 48.6%
24	1829*	618*	19*	2467	62521*	99710*	35767*	197997
	(484) 17.1%	(205) 53.9%	(8) 18.1%	(497) 20.6%	(15959) 20.6%	(33095) 54.3%	(18789) 38.7%	(43657) 34.2%
25	1193*	456*	29*	1679*	43839*	88912*	28020*	160772*
	(361) 28.7%	(122) 4 3.0%	(25) 24.0%	(426) 31.4%	(17654) 31.5%	(31243) 34.7%	(27305) 22. 8%	(45185) 31.0%
26	1283	1261	214*	2759	79028	230016	206864*	515908
	(308) 31,2%	(262) 8 0. 4%	(73) 100.0%	(411) 46.8%	(16540) 57.4%	(52032) 81.7%	(65220) 100.0%	(92775) 8 2. 4%
27	3644	739*	206*	4589	123822	153295*	232380*	509496
	(760) 20.1%	(185) 39.4%	(82) 65.3%	(853) 22.6%	(19798) 25. 9%	(41162) 42.5%	(68523) 67. 2%	(93335) 43.0%
28	2241	738	151*	3130	82480	181905	232508*	496892
20	(454)	(92)	(68)	(507)	(14378)	(25979)	(103954)	(106598)
	36.3%	63.6%	39.8%	40.6%	45.6%	69.7%	48.8%	54.1%
29	190*	181*	69*	440=	6930*	50598*	90619*	148147=
	(132) 18.8%	(75) 61.9%	(40) 68.4%	(134) 31.3%	(4851) 16.9%	(20286) 8 0. 0%	(69338) 77.1%	(72151) 6 6. 8%
30	1211=	609*	153*	1972	55085*	99247	161461*	315792
	(429) 18.0%	(162) 39.6%	(78) 68. 4%	(471) 23.3%	(15477) 24.5%	(21628) 33.7%	(71766) 6 9.1%	(71736) 41. 9%
31	159*	247*		406*	3480*	58419*		61899±
	(166) 17.1%	(78) 43.4%	•••	(180) 26.6%	(3001) 14.0%	(20149) 43.1%	•••	(20234) 35.2%
32	3380	669	176*	4225	106368	146981	120592*	373941
	(549) 38.4%	(149) 66.1%	(73) 95.5%	(597) 42.3%	(17139) 44.9%	(33633) 70.3%	(49149) 93.5%	(58607) 65.0%
33	960	990	330	22 81	53046	207766	603141	863954
	(192) 23.2%	(245) 67.4%	(64) 98.0%	(347) 38.4%	(10661) 38.3%	(47459) 66.8%	(94780) 97.0%	(98768) 8 0.7%

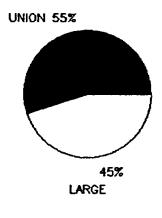
						F101 011	ree	
SIC CODE	SMALL (8-99)	PLANTS MEDIUM (100-499)	LARGE (≥500)	TOTAL	SMALL (8-99)	EMPLOYI MEDIUM (100-499)	:ES Large (>500)	TOTAL
34	437 }	1706	167*	6244	169208	321559	220655*	711422
	(744)	(237)	(67)	(765)	(23665)	(44292)	(88442)	(102400)
	23.6%	54.6%	48.3%	28.4%	30.5%	53.9%	62.9%	47.3%
35	4080	1683	432	6195	143485	320536	619006	1083027
	(701)	(292)	(79)	(813)	(25925)	(52373)	(111301)	(125442)
	18.0%	49.4%	55.1%	23.1%	23.6%	48.5%	55.6%	45.5%
36	868*	968	417*	2253	34433*	207264	664949	906647
	(274)	(195)	(112)	(328)	(11671)	(47736)	(126445)	(132505)
	12.2%	36.1%	53.0%	21.3%	14.9%	37.5%	56.2%	46.1%
37	791±	698	374	1863	38821*	132447	1405477	1576746
	(362)	(104)	(82)	(403)	(19852)	(27619)	(194452)	(203346)
	19.9%	58.7%	89.9%	33.4%	30.6%	55.4%	92.8%	83.9%
38	184*	357*	207*	748*	9088*	70339*	231416*	310843*
	(198)	(100)	(94)	(218)	(7681)	(23047)	(111068)	(106472)
	6.8%	37.3%	49.8%	18.4%	8.7%	36.2%	50.3%	40.9%
39	968±	303±	302*	1472*	36423±	63182*	169372*	268977*
	(286)	(447)	(226)	(542)	(13348)	(81774)	(127002)	(122117)
	13.2%	37.9%	89.3%	19.2%	22.0%	42.3%	80.9%	51.3%
41	571* (333) 12. 9%	97* (83) 19.0%	•••	668* (329) 13.5%	20311* (12867) 17.3%	11518* (9829) 14.1%	•••	31829* (14709) 16.0%
42	6283	1024	50*	9357	231012	170965	42123*	444101
	(1438)	(234)	(35)	(1488)	(38401)	(35866)	(22071)	(56472)
	41.4%	69.1%	60.4%	43.3%	47.4%	66.1%	56.3%	54.1%
45	417*	471*	147*	1036±	16389±	61827*	264255*	34247]*
	(244)	(334)	(57)	(463)	(8674)	(44248)	(77656)	(86866)
	12.9%	79.9%	100.0%	26.0%	21.1%	56.5%	100.0%	75.9%
48	1348*	772	34*	2154*	48312*	137966	70083*	256361
	(760)	(172)	(21)	(744)	(17495)	(33494)	(43687)	(55975)
	9.2%	85.6%	99.0%	13.8%	11.3%	78.2%	100.0%	38.1%
49	3647*	1593±	173*	5413	146502*	359154*	146565*	652221
	(1219)	(514)	(99)	(1264)	(45293)	(141107)	(65566)	(155395)
	44.4%	85.6%	99.8%	52.8%	54.4%	84.4%	100.0%	77.5%
50	4932 (1071) 16.2%	1075* (299) 59.6%	•••	6006 (1164) 18.7%	147654 (33536) 23.4%	173246* (56903) 61.2%	•••	320900 (77536) 35.1%
51	1155* (596) 12.7%	237* (237) 100.0%	•••	1392* (713) 14. 9%	35297* (18668) 19.1%	27013* (27013) 100.0%	•••	62310* (37178) 29.4%
55	324* (319) 1.7%	528* (475) 85.2%	•••	853± (564) 4.4%	5191± (5108) 1.7%	87 162* (78399) 88.4%	•••	92353* (78399) 22.7%
72	1418* (570) 6.9%	530* (171) 78.6%	•••	1948* (586) 9.1%	64327* (21903) 16.9%	60089* (19556) 73.1%	•••	124416 (25320) 26.3%
73	1126*	222*	78*	1426*	49696*	65169*	141669*	256533
	(503)	(86)	(40)	(498)	(25386)	(25180)	(64683)	(61773)
	6.8%	14.9%	22.8%	7.8%	11.8%	18.6%	43.1%	23.3%
75	1365* (619) 5.2%	•••	•••	1365* (619) 5. <i>2</i> %	35387* (14575) 8.6%	•••	•••	35387* (14575) 8.4%
76	806* (387) 8.3%	36* (45) 29.4%		842* (376) 8.5%	25776* (11949) 14.4%	12672* (15755) 52.1%		38448* (16374) 19.0%
80	316*	199*	715	1230*	3161*	57251*	1224250	1284662
	(319)	(108)	(120)	(347)	(3189)	(32880)	(221503)	(217828)
	11.1%	9.2%	34.7%	17.4%	3.1%	10.7%	40.5%	35.1%
All	101640	25924	5276	132840	3312278	5045172	7675563	16033014
	(4398)	(1166)	(269)	(4922)	(133371)	(234989)	(315478)	(491439)
	22.8%	52.3%	56.0%	26.3%	30.0%	51.6%	61.6%	48.2%

*Standard error >25% of the estimate. The estimate may be unreliable. ... Mo facilities observed.

FIGURE II - 20 PROPORTION OF PLANTS WITH A UNION ON-SITE (NOES 1981-1983)







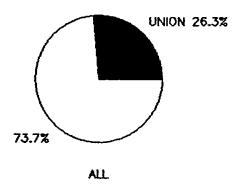
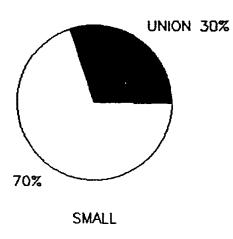
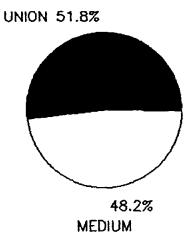
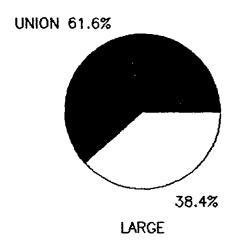
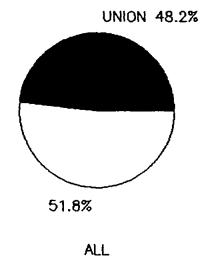


FIGURE II - 21 WORKERS WITH AN IN-PLANT UNION BY PLANT SIZE (NOES 1981-1983)









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