



CHERIE BERRY
COMMISSIONER OF LABOR

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November 27, 2017

Mr. Kurt Petermeyer, Regional Administrator
U S Department of Labor, Occupational Safety and Health Administration
Atlanta Federal Center, Room 6T50
61 Forsyth Street, SW
Atlanta, GA 30303

Attention to: Mr. Luis A. Ramirez, Consultation Program Manager, Region IV,
Cooperative and State Programs

Re: North Carolina FY 2017 Consultation Annual Project Report for 21(d) grant

Dear Mr. Petermeyer:

Enclosed is the North Carolina 21(d) Consultation Annual Project Report for Federal Fiscal Year 2017. The data is from the private sector visits supported by the 21(d) grant. North Carolina overmatches the 21(d) funding and includes the visits conducted with the overmatch in this 21(d) CAPR report.

As a result of North Carolina being a State Plan State, a significant amount of information requested in this report is also included in the State OSHA Annual Report (SOAR).

Should you have any further questions or need any additional information or assistance, please give me a call at (919) 807-2905.

Sincerely,

Kevin O'Barr
Program Manager

cc: Americo Pagan, Luis Ramirez, Kevin Beauregard, Judyth Niconienko

**North Carolina Department of Labor
Bureau of Consultative Services
Federal Fiscal Year (FY) 2017
Consultation Annual Project Report
For the 21(d) grant**

I. EXECUTIVE SUMMARY

The North Carolina Consultative Services Bureau continued to undertake an active role in participating in the FY 2017 North Carolina OSH Strategic Plan. Consultative Services activities met or exceeded all current goals, while focusing on the strategic initiatives outlined in the performance plan in an effort to drive down the overall fatality rate along with injury and illness rates in North Carolina. Consultative Services continues to contribute in all areas of the performance plan as outlined below. This report covers activities funded under the 21(d) grant, which comprises approximately 75% of the total program activities. The broader state plan information for North Carolina is included in the State OSHA Annual Report (SOAR).

II. DISCUSSION OF RESULTS IN ACHIEVING CAPP PERFORMANCE GOALS

During FY 2017, the Bureau of Consultative Services continued to provide onsite services to the employers and employees in the private sector under the 21(d) grant. Consultative Services conducted a total of 1,395 visits, an 18% increase from 2016:

- 1,061 (76%) requested both safety and health; 291 (21%) requested safety only visits; and 43 (3%) requested health only visits.
- 1,160 (84%) initial visits; 135 (10%) training/assistance visits; 100 (7%) follow-up visits.
- Manufacturing visits 441 (38%), (NAICS 31-33)
- Construction visits 502 (43%), (NAICS 23)
- Other private sector industry visits 217 (19%)
- Hazards identified and eliminated as a result of consultative visits totaled 7,912 (FY 2016, 6,502). 7,415 (94%) were serious hazards.
- There were 278 private sector interventions conducted, 89 more than FY 16.

Summary of the year's strategies and outcomes based on the annual project plan.

FFY 2017 Area or Industry of Emphasis	Strategy	Description of Activities	Impact
<p>Total Reduction in Injury and Illness</p> <p>Reduce occupational hazards through direct interventions.</p>	<p>Focus resources in industries with high injury and illness rates.</p> <p>Industries with high injury and illness rate:</p> <ul style="list-style-type: none"> a. Grocery and Related Product Wholesalers b. Long-Term Care c. Food Manufacturing d. Accommodation <p>Analyze results and effectiveness of direct interventions to determine their impact on fatality, injury and illness rates.</p>	<p>Conduct 710 safety and 415 health visits. Total 1,125.</p> <p>Conduct at least 223 visits in areas of emphasis.</p> <p>Abate approximately 6,000 hazards during the course of these visits.</p>	<p>Conducted 1,395 total visits. 855 Safety. 540 Health</p> <p>Conducted 508 visits in areas of emphasis.</p> <p>Eliminated 7,912 hazards.</p> <p>Conducted 189 direct interventions.</p>
<p>Reduce fatality incidence rate 0.4% statewide in Construction</p>	<p>Promote consultative activities related to construction in targeted counties.</p> <p>Consultants will address hazards associated with crane operations and set-ups on construction sites.</p>	<p>Conduct consultative marketing and promotion in counties targeted by the special emphasis program as resources allow.</p> <p>Support efforts in conducting annual construction outreach activities and partnerships.</p> <p>Conduct at least 150 visits in the construction industry.</p>	<p>Conducted 502 visits in NAICS 23.</p> <p>~400 of those qualified as construction SEP visits.</p>

<p>Reduce the fatality rate by 0.4% in NAICS 11331 and 56173.</p>	<p>NCDOL continues a multi-disciplinary approach using resources from consultation, and the other bureaus and alliances. These groups work together to achieve the following:</p> <p>Increasing employer and employee awareness of regulatory requirements and safety and health work practices.</p> <p>Changing employer's and employee's behavior to improve job safety and health through education, consultation, and compliance.</p> <p>Emphasizing recognition of meaningful safety and health management programs.</p>	<p>Bureau personnel will participate on the logging and arboriculture committee with industry stakeholders to implement these strategies.</p> <p>Conduct onsite technical assistance visits to improve safety and health programs.</p> <p>Provide support to assist in conducting training activities in NAICS 11331 and 56173.</p> <p>Consultants will participate in external events. (ProLogger, etc.)</p> <p>Conduct at least 15 visits within the two NAICS of this emphasis program.</p>	<p>Conducted 17 visits in these areas.</p> <p>12 initial visits</p> <p>1 follow-up</p> <p>3 train/assist</p>
<p>Reduce the injury and illness (DART) rate in establishments in Grocery and Related Product Wholesalers (4-digit NAICS 4244) in support of the overall outcome goal of reducing the rate of workplace injuries and illnesses</p>	<p>Promote consultative activities within the industry with targeting direct mailings and in person promotions.</p> <p>Consultants will address hazards identified within this industry.</p>	<p>Conduct at least three visits within this NAICS. This industry has a relatively small number of employers in North Carolina. The industry injury rate has dropped significantly since this emphasis program began.</p>	<p>Conducted 8 visits in this industry.</p> <p>7 initial</p> <p>1 follow-up</p> <p>1 SHARP participant</p>

Reduce the injury and illness (DART) rate in establishments in Long Term Care (NAICS 623xxx)	Reduce by 2% the NC BLS DART rate for NAICS 623xxx through education, training, compliance inspections and consultative visits.	<p>Conduct at least 45 visits of establishments in NAICS 623xxx.</p> <p>Utilize ergonomics guidelines and OPN 132 when conducting consultative visits in the LTC industry.</p> <p>Promote consultative activities related to this SEP. These promotions may include mailers, letters, training activities, and telephone/site visits to increase awareness.</p>	<p>Conducted 60 visits in this industry.</p> <p>54 initial</p> <p>5 train/assist</p> <p>1 follow-up</p> <p>22 SHARP participants</p>
Exposures to health hazards.	Conduct emphasis training, and consultation activity in establishments where employees might be exposed to health hazards such as lead, silica, asbestos, hexavalent chromium, and isocyanates.	<p>Conduct at least 100 health visits to establishments that request a survey and have exposures to health hazards.</p> <p>Provide support on chemicals identified in the Health Hazards SEP where requested by employers.</p>	<p>Addressed these chemical hazards on 200 visits.</p> <p>Asbestos 11</p> <p>Hex Chrome 30</p> <p>Isocyanate 25</p> <p>Lead 16</p> <p>Silica 118</p> <p>162 initial</p> <p>27 train/assist</p> <p>11 follow-up</p>
Food Manufacturing	Reduce by 2% the NC BLS 5-Year average DART Rate for NAICS 311 establishments in North Carolina.	<p>Conduct promotional activities in NAICS 311 industries through direct contact with food manufacturing employers.</p> <p>Conduct onsite technical assistance visits at NAICS 311 employers/establishments to help improve safety and health programs.</p> <p>Conduct at least 10 visits within NAICS 311.</p>	<p>Conducted 24 visits in this industry.</p> <p>19 initial</p> <p>5 train/assist</p> <p>3 SHARP participants</p>
Accommodation NAICS 721	Conduct promotional activities in NAICS 721 industries through direct contact with employers and employer associations in the accommodations industry.	Contribute to the OSHNC Performance Goal to reduce the DART rate in NAICS 721.	Although, this strategic emphasis area was in maintenance mode, the program conducted 4 visits.

III. SPECIAL ACCOMPLISHMENTS

- Safety consultant Rod Wilce presented at the National on-site consultation conference promoting SHARP construction participation.
- 166 private sector companies were participating in SHARP at the end of FY 17.
- Four construction companies were participating in SHARP at the end of FY 17.
- North Carolina has four staff with the certified industrial hygienist (CIH) designation and six staff with a certified safety professional designation (ASP or CSP). Two of the staff are dually certified.
- Silica calls for service and sampling are greatly increasing as expected. Consultants have more than doubled their work on the hazards over the past two years.
- Consultative Services participated in a video for the NC Forestry Association.
- Consultative Services was a big participant in the National Stand Down for fall prevention.
- Consultative Services mailed 968 letters to employers with an EMR of 1.5 or higher. Tracking last year's requests from the mailing, the bureau learned that 50% of customers no longer had an EMR above 1.5.
- NC identified and addressed overexposures to noise, zinc oxide, silica, and methylene chloride

IV. OTHER ISSUES OR ADJUSTMENTS

As predicted in the 2016 CAPR, the program returned to full staff during FY 2017. The increase in production reflects the strong staff. Unfortunately, due to lack of federal funding a position was lost for the FY 18.

V. INTERNAL QUALITY ASSURANCE PROGRAM

There is a system in place for any staff to initiate a change request upon noticing any provision that has gone out of date or needs updating for any reason. The complete text of our Bureau Quality Plan and Bureau Quality Operating Procedures is maintained as a controlled document on the Department's Intranet site. The Consultative Services Bureau continues to provide a quality system for auditing case files, hiring, training and supervising personnel. Consultative Services conducts quality meetings on as needed basis. CSB strives to provide efficient, effective and quality consultation services to all its customers. As predicted in the 2017 CAPP, there were no changes to the quality assurance program during FY 17. The program is operating smoothly at a high rate of production.

Summary of activity for FY 17

ACTIVITY & AREAS OF EMPHASIS	Safety	Health	Both	Total
1. TOTAL VISITS	855	540	0	1,395
a. Agriculture (NAICS 11)	18	3	0	21
b. Construction (NAICS 23)	374	128	0	502
c. General Industry	481	412	0	893
d. Manufacturing (covered in general industry)	221	215	0	436
e. Maritime	0	0	0	0
2. Visits Related to Emphasis Industries	Safety	Health	Both	Total
Construction	212	187	0	399
Logging / Arboriculture	15	2	0	17
Grocery and Related Product Wholesalers	3	5	0	8
Long Term Care	33	27	0	60
Food Manufacturing	11	13	0	24
Total Visits Related to Emphasis Industries	274	234	0	508
3. Visits Related to Emphasis Program	Safety	Health	Both	Total
Health Hazards (Pb, Si, Asbestos, Cr6+, Isocyanates)	65	135	0	200
4. Activities Related to Agency Measures	Safety	Health	Both	Total
a. see NC Special Emphasis Programs				
SHARP and Pre-SHARP / Compliance Assistance Activities Projections				
5a. New SHARP sites in FY 2017	6			
5b. SHARP Renewals in FY 2017	29			
6. Total private sector SHARP sites at end of FY 2017	166			
7. Total Projected Pre-SHARP sites in FY 2017	3			

<i>Hazards Identified per Consultation Visit</i>			
Fiscal Year	Number of Total <u>Initial</u> Visits	Number of <u>Serious</u> Hazards Identified	Average Number of <u>Serious</u> Hazards Identified per Total Initial Visit
FY 2015	1,003	6,121	6.1
FY 2016	994	5,983	6.0
FY 2017	1,160	7,415	6.4
Average	1,052	6,506	6.2
Analysis: The number of hazards identified by the North Carolina program remains strong and steady. This data is private sector initial visits.			

<i>Visit Comparison</i>			
	FY 2015	FY 2016	FY 2017
Initial	1,003	994	1,160
Follow-up	120	81	100
Training and Assistance	88	111	135
Total Visits	1,211	1,186	1,395
CAPP Projection	1,110	1,110	1,125
Percent of CAPP Projection Completed	109%	107%	124%
Analysis: This data is private sector from the Visit Summary report. North Carolina overmatches the 21(d) funding and includes the visits conducted with the overmatch in this 21(d) CAPR report.			

Health Sampling per Initial Visits			
North Carolina	FY 2015	FY 2016	FY 2017
Private sector	608 samples 73 establishments 30 initial with sampling	562 samples 102 establishments 53 initial with sampling	600 samples 93 establishments 38 initial with sampling
Analysis: North Carolina will conduct sampling on all visit types. 38 were initial visits with 136 samples collected, 53 were training/assistance visits with 459 samples collected, and 2 were a follow-up visits with 5 samples collected. In total, during FY 17, NC consultants collected 600 private sector samples at 93 establishments.			

<i>Safety and Health Achievement Recognition Program (SHARP) FY 2017</i>					
New	Renewed	Withdrawal and non-renewal	Terminated	Total	Pre-SHARP
6	29	9	0	166 private sector	3
Analysis: -- 35 sites received initial or renewal SHARP certification. The withdrawals were for various reasons including higher rates, change of management and employer closure. The 166 includes 162 General Industry and 4 Construction. Each Gen. Ind. site has an annual review, while construction submits a quarterly review.					

New federal chart recently sent for inclusion.

ACTIVITY & AREAS OF EMPHASIS*	Safety		Health		Both		Total	
	P	A	P	A	P	A	P	A
1. Total Visits	710	855	415	540	0	0	1125	1395
a. Agriculture NAICS 11	13	18	2	3	0	0	15	21
b. Construction NAICS 23	112	374	38	128	0	0	150	523
c. General Industry	585	481	375	412	0	0	960	893
d. Manufacturing NAICS 31-33, included in Gen Ind.	0	221	0	215	0	0	0	436
e. Maritime	0	0	0	0	0	0	0	0
2. Visits Related to Emphasis Industries	Safety		Health		Both		Total	
	P	A	P	A	P	A	P	A
a. Nursing and Residential Care Facilities NAICS 623	20	33	25	27	0	0	45	60
b. Residential Building Construction (see state plan)	0	0	0	0	0	0	0	0
c. Commercial & Institutional Building Construction	0	0	0	0	0	0	0	0
d. Highway, Street & Bridge Construction	0	0	0	0	0	0	0	0
e. Site Preparation (Demolition)	0	0	0	0	0	0	0	0
f. Power and Communication Line and Related Structures	0	0	0	0	0	0	0	0
g. Primary Metals Industries	0	0	0	0	0	0	0	0
h. PSM Covered Chemical Facilities	0	0	0	0	0	0	0	0
i. Shipbreaking	0	0	0	0	0	0	0	0
j. Poultry Processing and Slaughtering	0	0	0	0	0	0	0	0
Total Visits Related to Emphasis Industries	20	33	25	27	0	0	45	60
3. Visits Related to Emphasis Safety and Health Hazards State plan has a health emphasis program that does not predict individual chemicals.	Safety		Health		Both		Total	
	P	A	P	A	P	A	P	A
a. Lead	0	5	0	11	0	0	0	16
b. Crystalline Silica	0	45	0	73	0	0	0	118
c. Combustible Dust	0	29	0	39	0	0	0	68
d. Hexavalent Chromium	0	6	0	24	0	0	0	30
e. Trenching	0	19	0	9	0	0	0	28
f. Isocyanates	0	6	0	19	0	0	0	25
g. Manufacturing Amputations	0	34	0	18	0	0	0	52
h. Confined Spaces	0	0	0	0	0	0	0	0
i. Other LEPs (Construction and Non-Construction)	0	21	0	21	0	0	0	42
4. Activities Related to Agency Measures	Safety		Health		Both		Total	
	P	A	P	A	P	A	P	A
a. For measure #4, see the approved state plan measures on page 3-7 of this report.								
SHARP, Pre-SHARP, and Compliance Assistance Activities	Projected				Actual			
5a. New SHARP sites in FY 2017	6				6			
5b. SHARP Renewals in FY 2017	47				29			
6. Total SHARP sites at end of FY 2017	172				166			
7. Total Pre-SHARP sites in FY 2017	2				3			
8. Total Compliance Assistance Activities(interventions)	200				289			